

2007-2009 Arizona Statewide Occupational Projections

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
00-0000	Total, All Occupations	2,923,607	2,907,214	-16,393	-0.6%	19,169	71,954	91,123
11-0000	Management Occupations	164,866	164,760	-106	-0.1%	706	2,746	3,452
11-1000	Top Executives	47,386	47,378	-8	0.0%	27	788	815
11-1011	Chief Executives	6,186	6,140	-46	-0.7%	0	104	104
11-1021	General and Operations Managers	40,063	40,117	54	0.1%	27	671	698
11-1031	Legislators	1,137	1,121	-16	-1.4%	0	13	13
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	15,226	15,431	205	1.3%	103	251	354
11-2011	Advertising and Promotions Managers	1,103	1,130	27	2.4%	14	18	32
11-2021	Marketing Managers	3,927	4,002	75	1.9%	38	65	103
11-2022	Sales Managers	9,162	9,240	78	0.9%	39	152	191
11-2031	Public Relations Managers	1,034	1,059	25	2.4%	13	16	29
11-3000	Operations Specialties Managers	25,614	25,619	5	0.0%	87	381	468
11-3011	Administrative Services Managers	5,187	5,246	59	1.1%	30	90	120
11-3021	Computer and Information Systems Managers	3,897	3,943	46	1.2%	23	62	85
11-3031	Financial Managers	9,144	9,018	-126	-1.4%	0	110	110
11-3041	Compensation and Benefits Managers	954	976	22	2.3%	11	13	24
11-3042	Training and Development Managers	678	689	11	1.6%	6	9	15
11-3049	Human Resources Managers, All Other	1,258	1,272	14	1.1%	7	17	24
11-3051	Industrial Production Managers	1,654	1,611	-43	-2.6%	0	29	29
11-3061	Purchasing Managers	1,428	1,434	6	0.4%	3	28	31
11-3071	Transportation, Storage, and Distribution Managers	1,414	1,430	16	1.1%	8	25	33
11-9000	Other Management Occupations	76,640	76,332	-308	-0.4%	489	1,327	1,816
11-9011	Farm, Ranch, and Other Agricultural Managers	4,189	4,469	280	6.7%	140	70	210
11-9021	Construction Managers	9,220	8,234	-986	-10.7%	0	147	147
11-9031	Education Administrators, Preschool and Child Care	1,538	1,610	72	4.7%	36	34	70
11-9032	Education Administrators, Elementary and Secondary School	3,612	3,696	84	2.3%	42	80	122
11-9033	Education Administrators, Postsecondary	2,975	2,979	4	0.1%	2	66	68
11-9039	Education Administrators, All Other	379	383	4	1.1%	2	9	11
11-9041	Engineering Managers	6,132	6,073	-59	-1.0%	0	110	110
11-9051	Food Service Managers	9,214	9,291	77	0.8%	39	139	178
11-9061	Funeral Directors	417	404	-13	-3.1%	0	12	12
11-9071	Gaming Managers	515	519	4	0.8%	2	9	11
11-9081	Lodging Managers	2,123	2,104	-19	-0.9%	0	32	32
11-9111	Medical and Health Services Managers	6,239	6,544	305	4.9%	153	105	258
11-9121	Natural Sciences Managers	582	588	6	1.0%	3	10	13

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
11-9131	Postmasters and Mail Superintendents	190	193	3	1.6%	2	3	5
11-9141	Property, Real Estate, and Community Association Managers							
		10,224	10,015	-209	-2.0%	0	174	174
11-9151	Social and Community Service Managers	2,958	3,069	111	3.8%	56	51	107
11-9199	Managers, All Other	16,133	16,161	28	0.2%	14	280	294
13-0000	Business and Financial Operations Occupations	131,449	130,800	-649	-0.5%	572	2,084	2,656
13-1000	Business Operations Specialists	71,131	71,449	318	0.4%	347	1,128	1,475
13-1011	Agents and Business Managers of Artists, Performers, and	675	729	54	8.0%	27	13	40
13-1021	Purchasing Agents and Buyers, Farm Products	538	546	8	1.5%	4	19	23
13-1022	Wholesale and Retail Buyers, Except Farm Products	2,906	2,895	-11	-0.4%	0	75	75
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm	6,636	6,645	9	0.1%	5	154	159
13-1031	Claims Adjusters, Examiners, and Investigators	4,510	4,606	96	2.1%	48	49	97
13-1032	Insurance Appraisers, Auto Damage	171	174	3	1.8%	2	2	4
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	4,684	4,719	35	0.7%	18	100	118
13-1051	Cost Estimators	4,852	4,488	-364	-7.5%	0	100	100
13-1061	Emergency Management Specialists	122	124	2	1.6%	1	3	4
13-1071	Employment, Recruitment, and Placement Specialists	4,681	4,681	0	0.0%	0	60	60
13-1072	Compensation, Benefits, and Job Analysis Specialists	2,595	2,601	6	0.2%	3	34	37
13-1073	Training and Development Specialists	5,761	5,816	55	1.0%	28	74	102
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	2,638	2,713	75	2.8%	38	39	77
13-1081	Logisticians	1,636	1,658	22	1.3%	11	24	35
13-1111	Management Analysts	15,473	15,524	51	0.3%	26	183	209
13-1121	Meeting and Convention Planners	1,172	1,173	1	0.1%	1	24	25
13-1199	Business Operations Specialists, All Other	12,081	12,357	276	2.3%	138	178	316
13-2000	Financial Specialists	60,318	59,351	-967	-1.6%	225	956	1,181
13-2011	Accountants and Auditors	24,690	25,018	328	1.3%	164	429	593
13-2021	Appraisers and Assessors of Real Estate	3,878	3,856	-22	-0.6%	0	76	76
13-2031	Budget Analysts	1,224	1,243	19	1.6%	10	18	28
13-2041	Credit Analysts	5,114	4,722	-392	-7.7%	0	70	70
13-2051	Financial Analysts	4,175	4,209	34	0.8%	17	55	72
13-2052	Personal Financial Advisors	3,920	3,984	64	1.6%	32	45	77
13-2053	Insurance Underwriters	1,381	1,384	3	0.2%	2	23	25
13-2061	Financial Examiners	1,140	1,132	-8	-0.7%	0	24	24
13-2071	Loan Counselors	774	765	-9	-1.2%	0	11	11
13-2072	Loan Officers	11,019	10,051	-968	-8.8%	0	157	157
13-2081	Tax Examiners, Collectors, and Revenue Agents	608	608	0	0.0%	0	13	13
13-2082	Tax Preparers	1,172	1,154	-18	-1.5%	0	17	17

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
13-2099	Financial Specialists, All Other	1,223	1,225	2	0.2%	1	20	21
15-0000	Computer and Mathematical Occupations	59,391	60,585	1,194	2.0%	778	680	1,458
15-1000	Computer Specialists	57,198	58,456	1,258	2.2%	778	632	1,410
15-1011	Computer and Information Scientists, Research	253	258	5	2.0%	3	3	6
15-1021	Computer Programmers	8,225	7,928	-297	-3.6%	0	181	181
15-1031	Computer Software Engineers, Applications	8,366	8,723	357	4.3%	179	67	246
15-1032	Computer Software Engineers, Systems Software	7,057	7,399	342	4.8%	171	57	228
15-1041	Computer Support Specialists	11,988	12,061	73	0.6%	37	127	164
15-1051	Computer Systems Analysts	7,509	7,673	164	2.2%	82	71	153
15-1061	Database Administrators	3,069	3,206	137	4.5%	69	26	95
15-1071	Network and Computer Systems Administrators	4,728	4,917	189	4.0%	95	44	139
15-1081	Network Systems and Data Communications Analysts	4,077	4,352	275	6.7%	138	41	179
15-1099	Computer Specialists, All Other	1,926	1,939	13	0.7%	7	18	25
15-2000	Mathematical Scientists	2,193	2,129	-64	-2.9%	0	48	48
15-2011	Actuaries	138	138	0	0.0%	0	6	6
15-2031	Operations Research Analysts	1,753	1,698	-55	-3.1%	0	35	35
15-2041	Statisticians	261	252	-9	-3.4%	0	7	7
17-0000	Architecture and Engineering Occupations	62,052	62,224	172	0.3%	343	1,345	1,688
17-1000	Architects, Surveyors, and Cartographers	6,525	6,649	124	1.9%	62	143	205
17-1011	Architects, Except Landscape and Naval	2,780	2,830	50	1.8%	25	28	53
17-1012	Landscape Architects	764	781	17	2.2%	9	8	17
17-1021	Cartographers and Photogrammetrists	575	588	13	2.3%	7	21	28
17-1022	Surveyors	2,406	2,450	44	1.8%	22	87	109
17-2000	Engineers	34,755	34,917	162	0.5%	209	710	919
17-2011	Aerospace Engineers	2,789	2,875	86	3.1%	43	68	111
17-2031	Biomedical Engineers	191	200	9	4.7%	5	3	8
17-2041	Chemical Engineers	364	374	10	2.7%	5	11	16
17-2051	Civil Engineers	4,456	4,521	65	1.5%	33	64	97
17-2071	Electrical Engineers	4,825	4,767	-58	-1.2%	0	87	87
17-2072	Electronics Engineers, Except Computer	4,105	4,110	5	0.1%	3	74	77
17-2081	Environmental Engineers	695	742	47	6.8%	24	11	35
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	661	662	1	0.2%	1	15	16
17-2112	Industrial Engineers	3,853	3,977	124	3.2%	62	88	150
17-2121	Marine Engineers and Naval Architects	71	72	1	1.4%	1	4	5
17-2131	Materials Engineers	544	536	-8	-1.5%	0	14	14
17-2141	Mechanical Engineers	4,680	4,648	-32	-0.7%	0	129	129
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	541	608	67	12.4%	34	17	51

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
17-2161	Nuclear Engineers	997	991	-6	-0.6%	0	29	29
17-2199	Engineers, All Other	2,457	2,458	1	0.0%	1	44	45
17-3000	Drafters, Engineering, and Mapping Technicians	20,772	20,658	-114	-0.5%	72	492	564
17-3011	Architectural and Civil Drafters	3,876	3,857	-19	-0.5%	0	106	106
17-3012	Electrical and Electronics Drafters	609	573	-36	-5.9%	0	17	17
17-3013	Mechanical Drafters	2,624	2,561	-63	-2.4%	0	72	72
17-3022	Civil Engineering Technicians	2,254	2,290	36	1.6%	18	44	62
17-3023	Electrical and Electronic Engineering Technicians	5,069	4,955	-114	-2.2%	0	98	98
17-3024	Electro-Mechanical Technicians	356	355	-1	-0.3%	0	7	7
17-3025	Environmental Engineering Technicians	679	719	40	5.9%	20	13	33
17-3026	Industrial Engineering Technicians	1,124	1,107	-17	-1.5%	0	22	22
17-3027	Mechanical Engineering Technicians	679	682	3	0.4%	2	13	15
17-3029	Engineering Technicians, Except Drafters, All Other	1,331	1,373	42	3.2%	21	31	52
17-3031	Surveying and Mapping Technicians	1,433	1,439	6	0.4%	3	57	60
19-0000	Life, Physical, and Social Science Occupations	22,173	22,593	420	1.9%	217	507	724
19-1000	Life Scientists	3,264	3,326	62	1.9%	34	70	104
19-1012	Food Scientists and Technologists	188	189	1	0.5%	1	3	4
19-1013	Soil and Plant Scientists	259	266	7	2.7%	4	5	9
19-1022	Microbiologists	56	55	-1	-1.8%	0	2	2
19-1023	Zoologists and Wildlife Biologists	282	288	6	2.1%	3	9	12
19-1029	Biological Scientists, All Other	393	403	10	2.5%	5	12	17
19-1031	Conservation Scientists	360	368	8	2.2%	4	10	14
19-1041	Epidemiologists	64	65	1	1.6%	1	1	2
19-1042	Medical Scientists, Except Epidemiologists	430	458	28	6.5%	14	7	21
19-1099	Life Scientists, All Other	211	216	5	2.4%	3	4	7
19-2000	Physical Scientists	3,588	3,654	66	1.8%	36	81	117
19-2021	Atmospheric and Space Scientists	124	127	3	2.4%	2	6	8
19-2031	Chemists	782	793	11	1.4%	6	26	32
19-2032	Materials Scientists	145	148	3	2.1%	2	5	7
19-2041	Environmental Scientists and Specialists, Including Health	1,053	1,074	21	2.0%	11	16	27
19-2042	Geoscientists, Except Hydrologists and Geographers	392	402	10	2.6%	5	6	11
19-2043	Hydrologists	471	489	18	3.8%	9	7	16
19-3000	Social Scientists and Related Workers	9,954	10,139	185	1.9%	93	240	333
19-3011	Economists	116	115	-1	-0.9%	0	4	4
19-3021	Market Research Analysts	3,679	3,703	24	0.7%	12	96	108
19-3022	Survey Researchers	714	725	11	1.5%	6	19	25
19-3031	Clinical, Counseling, and School Psychologists	2,952	3,067	115	3.9%	58	61	119
19-3039	Psychologists, All Other	242	249	7	2.9%	4	5	9
19-3041	Sociologists	175	176	1	0.6%	1	6	7

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
19-3051	Urban and Regional Planners	852	860	8	0.9%	4	27	31
19-3091	Anthropologists and Archeologists	367	372	5	1.4%	3	7	10
19-3099	Social Scientists and Related Workers, All Other	797	812	15	1.9%	8	16	24
19-4000	Life, Physical, and Social Science Technicians	5,367	5,474	107	2.0%	55	116	171
19-4021	Biological Technicians	502	520	18	3.6%	9	8	17
19-4031	Chemical Technicians	491	514	23	4.7%	12	12	24
19-4041	Geological and Petroleum Technicians	91	93	2	2.2%	1	2	3
19-4061	Social Science Research Assistants	245	244	-1	-0.4%	0	6	6
19-4091	Environmental Science and Protection Technicians, Including Health	759	758	-1	-0.1%	0	18	18
19-4092	Forensic Science Technicians	491	513	22	4.5%	11	11	22
19-4093	Forest and Conservation Technicians	970	984	14	1.4%	7	22	29
19-4099	Life, Physical, and Social Science Technicians, All Other	1,194	1,205	11	0.9%	6	27	33
21-0000	Community and Social Services Occupations	32,696	33,671	975	3.0%	521	567	1,088
21-1000	Counselors, Social Workers, and Other Community and Social	27,970	29,012	1,042	3.7%	521	492	1,013
21-1011	Substance Abuse and Behavioral Disorder Counselors	984	1,039	55	5.6%	28	21	49
21-1012	Educational, Vocational, and School Counselors	6,487	6,554	67	1.0%	34	135	169
21-1013	Marriage and Family Therapists	222	235	13	5.9%	7	5	12
21-1014	Mental Health Counselors	1,629	1,729	100	6.1%	50	34	84
21-1015	Rehabilitation Counselors	1,227	1,289	62	5.1%	31	26	57
21-1019	Counselors, All Other	196	202	6	3.1%	3	4	7
21-1021	Child, Family, and School Social Workers	3,343	3,463	120	3.6%	60	50	110
21-1022	Medical and Public Health Social Workers	1,814	1,888	74	4.1%	37	27	64
21-1023	Mental Health and Substance Abuse Social Workers	1,902	2,005	103	5.4%	52	29	81
21-1029	Social Workers, All Other	621	641	20	3.2%	10	11	21
21-1091	Health Educators	1,195	1,252	57	4.8%	29	19	48
21-1092	Probation Officers and Correctional Treatment Specialists	3,506	3,542	36	1.0%	18	56	74
21-1093	Social and Human Service Assistants	3,869	4,128	259	6.7%	130	62	192
21-1099	Community and Social Service Specialists, All Other	975	1,045	70	7.2%	35	17	52
21-2000	Religious Workers	4,726	4,659	-67	-1.4%	0	76	76
21-2011	Clergy	1,950	1,926	-24	-1.2%	0	39	39
23-0000	Legal Occupations	20,557	20,994	437	2.1%	221	204	425
23-1000	Lawyers, Judges, and Related Workers	11,873	12,121	248	2.1%	124	137	261
23-1011	Lawyers	10,832	11,069	237	2.2%	119	125	244
23-1023	Judges, Magistrate Judges, and Magistrates	594	597	3	0.5%	2	7	9
23-2000	Legal Support Workers	8,684	8,873	189	2.2%	97	67	164
23-2011	Paralegals and Legal Assistants	4,640	4,824	184	4.0%	92	29	121
23-2091	Court Reporters	347	349	2	0.6%	1	3	4
23-2092	Law Clerks	1,285	1,281	-4	-0.3%	0	12	12

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
23-2093	Title Examiners, Abstractors, and Searchers	2,047	2,046	-1	0.0%	0	19	19
23-2099	Legal Support Workers, All Other	365	373	8	2.2%	4	4	8
25-0000	Education, Training, and Library Occupations	144,069	147,884	3,815	2.6%	1,911	2,816	4,727
25-1000	Postsecondary Teachers	25,826	26,248	422	1.6%	211	555	766
25-1011	Business Teachers, Postsecondary	1,925	1,957	32	1.7%	16	42	58
25-1021	Computer Science Teachers, Postsecondary	1,216	1,238	22	1.8%	11	26	37
25-1022	Mathematical Science Teachers, Postsecondary	862	882	20	2.3%	10	19	29
25-1041	Agricultural Sciences Teachers, Postsecondary	83	84	1	1.2%	1	2	3
25-1042	Biological Science Teachers, Postsecondary	718	731	13	1.8%	7	16	23
25-1043	Forestry and Conservation Science Teachers, Postsecondary	117	118	1	0.9%	1	3	4
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	167	169	2	1.2%	1	4	5
25-1052	Chemistry Teachers, Postsecondary	346	351	5	1.4%	3	8	11
25-1053	Environmental Science Teachers, Postsecondary	318	323	5	1.6%	3	7	10
25-1054	Physics Teachers, Postsecondary	122	124	2	1.6%	1	3	4
25-1061	Anthropology and Archeology Teachers, Postsecondary	143	145	2	1.4%	1	3	4
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	237	241	4	1.7%	2	5	7
25-1063	Economics Teachers, Postsecondary	90	91	1	1.1%	1	2	3
25-1064	Geography Teachers, Postsecondary	165	169	4	2.4%	2	4	6
25-1065	Political Science Teachers, Postsecondary	197	200	3	1.5%	2	4	6
25-1066	Psychology Teachers, Postsecondary	201	204	3	1.5%	2	5	7
25-1067	Sociology Teachers, Postsecondary	141	144	3	2.1%	2	3	5
25-1071	Health Specialties Teachers, Postsecondary	1,995	2,021	26	1.3%	13	43	56
25-1072	Nursing Instructors and Teachers, Postsecondary	410	421	11	2.7%	6	9	15
25-1081	Education Teachers, Postsecondary	938	959	21	2.2%	11	20	31
25-1111	Criminal Justice and Law Enforcement Teachers,	242	248	6	2.5%	3	5	8
25-1121	Art, Drama, and Music Teachers, Postsecondary	1,188	1,206	18	1.5%	9	26	35
25-1122	Communications Teachers, Postsecondary	554	564	10	1.8%	5	12	17
25-1123	English Language and Literature Teachers, Postsecondary	1,181	1,204	23	1.9%	12	26	38
25-1124	Foreign Language and Literature Teachers, Postsecondary	363	371	8	2.2%	4	8	12
25-1125	History Teachers, Postsecondary	245	251	6	2.4%	3	6	9
25-1126	Philosophy and Religion Teachers, Postsecondary	248	251	3	1.2%	2	6	8
25-1191	Graduate Teaching Assistants	4,405	4,462	57	1.3%	29	95	124
25-1192	Home Economics Teachers, Postsecondary	101	103	2	2.0%	1	2	3
25-1194	Vocational Education Teachers, Postsecondary	2,086	2,122	36	1.7%	18	45	63
25-1199	Postsecondary Teachers, All Other	2,873	2,918	45	1.6%	23	62	85

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
25-2000	Primary, Secondary, and Special Education School Teachers	81,742	84,372	2,630	3.2%	1,315	1,632	2,947
25-2011	Preschool Teachers, Except Special Education	9,174	9,604	430	4.7%	215	92	307
25-2012	Kindergarten Teachers, Except Special Education	3,146	3,268	122	3.9%	61	32	93
25-2021	Elementary School Teachers, Except Special Education	35,726	36,828	1,102	3.1%	551	697	1,248
25-2022	Middle School Teachers, Except Special and Vocational	7,514	7,678	164	2.2%	82	147	229
25-2031	Secondary School Teachers, Except Special and Vocational Education	20,451	21,010	559	2.7%	280	541	821
25-2041	Special Education Teachers, Preschool, Kindergarten, and	2,574	2,710	136	5.3%	68	54	122
25-2042	Special Education Teachers, Middle School	924	967	43	4.7%	22	20	42
25-2043	Special Education Teachers, Secondary School	1,106	1,151	45	4.1%	23	24	47
25-3000	Other Teachers and Instructors	7,439	7,487	48	0.6%	28	80	108
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	1,656	1,649	-7	-0.4%	0	18	18
25-3021	Self-Enrichment Education Teachers	3,692	3,714	22	0.6%	11	40	51
25-3099	Teachers and Instructors, All Other	2,091	2,124	33	1.6%	17	23	40
25-4000	Librarians, Curators, and Archivists	4,847	4,886	39	0.8%	20	144	164
25-4011	Archivists	85	86	1	1.2%	1	2	3
25-4012	Curators	284	295	11	3.9%	6	6	12
25-4013	Museum Technicians and Conservators	185	191	6	3.2%	3	4	7
25-4021	Librarians	2,209	2,217	8	0.4%	4	46	50
25-4031	Library Technicians	2,084	2,097	13	0.6%	7	86	93
25-9000	Other Education, Training, and Library Occupations	24,215	24,891	676	2.8%	338	406	744
25-9031	Instructional Coordinators	3,619	3,685	66	1.8%	33	49	82
25-9041	Teacher Assistants	20,215	20,820	605	3.0%	303	352	655
25-9099	Education, Training, and Library Workers, All Other	301	305	4	1.3%	2	4	6
27-0000	Arts, Design, Entertainment, Sports, and Media	42,957	43,433	476	1.1%	318	733	1,051
27-1000	Art and Design Workers	14,809	14,877	68	0.5%	87	197	284
27-1011	Art Directors	971	977	6	0.6%	3	20	23
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	560	560	0	0.0%	0	12	12
27-1014	Multi-Media Artists and Animators	458	461	3	0.7%	2	10	12
27-1019	Artists and Related Workers, All Other	52	54	2	3.8%	1	1	2
27-1021	Commercial and Industrial Designers	1,186	1,189	3	0.3%	2	14	16
27-1023	Floral Designers	1,518	1,565	47	3.1%	24	18	42
27-1024	Graphic Designers	5,580	5,633	53	0.9%	27	67	94
27-1025	Interior Designers	1,245	1,143	-102	-8.2%	0	15	15
27-1026	Merchandise Displayers and Window Trimmers	2,402	2,450	48	2.0%	24	29	53
27-1027	Set and Exhibit Designers	210	215	5	2.4%	3	3	6
27-1029	Designers, All Other	523	528	5	1.0%	3	9	12

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
27-2000	Entertainers and Performers, Sports and Related Workers	8,632	8,812	180	2.1%	98	173	271
27-2012	Producers and Directors	1,056	1,094	38	3.6%	19	14	33
27-2022	Coaches and Scouts	2,748	2,793	45	1.6%	23	49	72
27-2023	Umpires, Referees, and Other Sports Officials	838	839	1	0.1%	1	15	16
27-2041	Music Directors and Composers	680	664	-16	-2.4%	0	13	13
27-2042	Musicians and Singers	1,487	1,503	16	1.1%	8	29	37
27-3000	Media and Communication Workers	13,337	13,528	191	1.4%	106	241	347
27-3011	Radio and Television Announcers	1,847	1,842	-5	-0.3%	0	48	48
27-3012	Public Address System and Other Announcers	117	116	-1	-0.9%	0	3	3
27-3021	Broadcast News Analysts	82	85	3	3.7%	2	2	4
27-3022	Reporters and Correspondents	798	827	29	3.6%	15	18	33
27-3031	Public Relations Specialists	3,302	3,353	51	1.5%	26	43	69
27-3041	Editors	1,928	1,982	54	2.8%	27	43	70
27-3042	Technical Writers	840	838	-2	-0.2%	0	22	22
27-3043	Writers and Authors	2,709	2,767	58	2.1%	29	43	72
27-3091	Interpreters and Translators	944	960	16	1.7%	8	11	19
27-3099	Media and Communication Workers, All Other	770	758	-12	-1.6%	0	9	9
27-4000	Media and Communication Equipment Workers	6,179	6,216	37	0.6%	28	123	151
27-4011	Audio and Video Equipment Technicians	907	927	20	2.2%	10	22	32
27-4012	Broadcast Technicians	505	521	16	3.2%	8	13	21
27-4021	Photographers	3,675	3,657	-18	-0.5%	0	65	65
27-4031	Camera Operators, Television, Video, and Motion Picture	349	358	9	2.6%	5	7	12
27-4032	Film and Video Editors	236	242	6	2.5%	3	5	8
27-4099	Media and Communication Equipment Workers, All Other	201	205	4	2.0%	2	5	7
29-0000	Healthcare Practitioners and Technical Occupations	127,618	134,511	6,893	5.4%	3,449	2,168	5,617
29-1000	Health Diagnosing and Treating Practitioners	76,402	80,631	4,229	5.5%	2,115	1,356	3,471
29-1011	Chiropractors	1,813	1,897	84	4.6%	42	30	72
29-1021	Dentists, General	3,798	3,966	168	4.4%	84	55	139
29-1029	Dentists, All Other Specialists	199	202	3	1.5%	2	3	5
29-1031	Dietitians and Nutritionists	1,161	1,217	56	4.8%	28	30	58
29-1041	Optometrists	880	911	31	3.5%	16	25	41
29-1051	Pharmacists	5,179	5,537	358	6.9%	179	95	274
29-1062	Family and General Practitioners	1,831	1,930	99	5.4%	50	22	72
29-1064	Obstetricians and Gynecologists	352	371	19	5.4%	10	4	14
29-1065	Pediatricians, General	465	492	27	5.8%	14	6	20
29-1066	Psychiatrists	181	190	9	5.0%	5	2	7
29-1067	Surgeons	892	942	50	5.6%	25	11	36
29-1069	Physicians and Surgeons, All Other	3,788	3,950	162	4.3%	81	45	126
29-1071	Physician Assistants	1,519	1,656	137	9.0%	69	21	90

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
29-1081	Podiatrists	453	470	17	3.8%	9	11	20
29-1111	Registered Nurses	37,293	39,480	2,187	5.9%	1,094	690	1,784
29-1122	Occupational Therapists	1,396	1,480	84	6.0%	42	17	59
29-1123	Physical Therapists	2,956	3,153	197	6.7%	99	23	122
29-1125	Recreational Therapists	237	245	8	3.4%	4	5	9
29-1126	Respiratory Therapists	2,717	2,874	157	5.8%	79	86	165
29-1127	Speech-Language Pathologists	1,619	1,662	43	2.7%	22	39	61
29-1129	Therapists, All Other	199	200	1	0.5%	1	4	5
29-1131	Veterinarians	1,422	1,424	2	0.1%	1	32	33
29-1199	Health Diagnosing and Treating Practitioners, All Other	2,955	3,113	158	5.3%	79	58	137
29-2000	Health Technologists and Technicians	48,619	51,167	2,548	5.2%	1,276	765	2,041
29-2011	Medical and Clinical Laboratory Technologists	2,860	3,039	179	6.3%	90	74	164
29-2012	Medical and Clinical Laboratory Technicians	2,994	3,127	133	4.4%	67	78	145
29-2021	Dental Hygienists	3,076	3,364	288	9.4%	144	21	165
29-2031	Cardiovascular Technologists and Technicians	1,095	1,163	68	6.2%	34	19	53
29-2032	Diagnostic Medical Sonographers	726	779	53	7.3%	27	12	39
29-2033	Nuclear Medicine Technologists	438	463	25	5.7%	13	8	21
29-2034	Radiologic Technologists and Technicians	4,297	4,560	263	6.1%	132	72	204
29-2041	Emergency Medical Technicians and Paramedics	3,864	4,080	216	5.6%	108	38	146
29-2051	Dietetic Technicians	565	588	23	4.1%	12	7	19
29-2052	Pharmacy Technicians	6,621	7,123	502	7.6%	251	77	328
29-2053	Psychiatric Technicians	1,314	1,373	59	4.5%	30	16	46
29-2055	Surgical Technologists	1,088	1,161	73	6.7%	37	13	50
29-2056	Veterinary Technologists and Technicians	2,235	2,305	70	3.1%	35	26	61
29-2061	Licensed Practical and Licensed Vocational Nurses	10,916	11,187	271	2.5%	136	220	356
29-2071	Medical Records and Health Information Technicians	4,664	4,934	270	5.8%	135	59	194
29-2081	Opticians, Dispensing	1,042	1,081	39	3.7%	20	17	37
29-2099	Health Technologists and Technicians, All Other	524	543	19	3.6%	10	9	19
29-9000	Other Healthcare Practitioners and Technical Occupations	2,597	2,713	116	4.5%	58	47	105
29-9011	Occupational Health and Safety Specialists	593	609	16	2.7%	8	12	20
29-9012	Occupational Health and Safety Technicians	166	170	4	2.4%	2	4	6
29-9091	Athletic Trainers	212	225	13	6.1%	7	5	12
29-9099	Healthcare Practitioners and Technical Workers, All Other	1,626	1,709	83	5.1%	42	27	69
31-0000	Healthcare Support Occupations	66,584	70,985	4,401	6.6%	2,201	1,016	3,217
31-1000	Nursing, Psychiatric, and Home Health Aides	38,162	40,659	2,497	6.5%	1,249	452	1,701
31-1011	Home Health Aides	16,023	17,359	1,336	8.3%	668	190	858
31-1012	Nursing Aides, Orderlies, and Attendants	21,584	22,719	1,135	5.3%	568	256	824
31-1013	Psychiatric Aides	555	581	26	4.7%	13	7	20

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
31-2000	Occupational and Physical Therapist Assistants and Aides	2,228	2,403	175	7.9%	88	34	122
31-2011	Occupational Therapist Assistants	170	184	14	8.2%	7	2	9
31-2012	Occupational Therapist Aides	111	117	6	5.4%	3	2	5
31-2021	Physical Therapist Assistants	868	943	75	8.6%	38	14	52
31-2022	Physical Therapist Aides	1,079	1,159	80	7.4%	40	17	57
31-9000	Other Healthcare Support Occupations	26,194	27,923	1,729	6.6%	865	531	1,396
31-9011	Massage Therapists	3,760	3,794	34	0.9%	17	82	99
31-9091	Dental Assistants	5,505	5,994	489	8.9%	245	146	391
31-9092	Medical Assistants	9,851	10,774	923	9.4%	462	177	639
31-9093	Medical Equipment Preparers	591	624	33	5.6%	17	11	28
31-9094	Medical Transcriptionists	1,794	1,872	78	4.3%	39	32	71
31-9095	Pharmacy Aides	565	589	24	4.2%	12	10	22
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	1,122	1,131	9	0.8%	5	20	25
31-9099	Healthcare Support Workers, All Other	3,006	3,145	139	4.6%	70	54	124
33-0000	Protective Service Occupations	70,698	71,270	572	0.8%	353	1,971	2,324
33-1000	First-Line Supervisors/Managers, Protective Service Workers	6,792	6,887	95	1.4%	48	214	262
33-1011	First-Line Supervisors/Managers of Correctional Officers	1,225	1,229	4	0.3%	2	33	35
33-1012	First-Line Supervisors/Managers of Police and Detectives	2,551	2,586	35	1.4%	18	75	93
33-2000	Fire Fighting and Prevention Workers	6,370	6,539	169	2.7%	88	170	258
33-2011	Fire Fighters	6,162	6,337	175	2.8%	88	164	252
33-3000	Law Enforcement Workers	26,557	26,857	300	1.1%	163	601	764
33-3011	Bailiffs	485	489	4	0.8%	2	10	12
33-3012	Correctional Officers and Jailers	9,896	9,870	-26	-0.3%	0	195	195
33-3021	Detectives and Criminal Investigators	4,253	4,438	185	4.3%	93	107	200
33-3041	Parking Enforcement Workers	105	105	0	0.0%	0	2	2
33-3051	Police and Sheriff's Patrol Officers	11,707	11,842	135	1.2%	68	285	353
33-9000	Other Protective Service Workers	30,979	30,987	8	0.0%	55	987	1,042
33-9011	Animal Control Workers	393	393	0	0.0%	0	42	42
33-9021	Private Detectives and Investigators	646	657	11	1.7%	6	13	19
33-9031	Gaming Surveillance Officers and Gaming Investigators	969	978	9	0.9%	5	23	28
33-9032	Security Guards	25,137	25,036	-101	-0.4%	0	582	582
33-9091	Crossing Guards	1,126	1,153	27	2.4%	14	37	51
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	1,487	1,521	34	2.3%	17	160	177
33-9099	Protective Service Workers, All Other	1,221	1,249	28	2.3%	14	131	145
35-0000	Food Preparation and Serving Related Occupations	244,054	247,406	3,352	1.4%	1,683	12,110	13,793
35-1000	Supervisors, Food Preparation and Serving Workers	18,413	18,754	341	1.9%	171	506	677

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
35-1011	Chefs and Head Cooks	2,925	2,959	34	1.2%	17	107	124
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	15,488	15,795	307	2.0%	154	399	553
35-2000	Cooks and Food Preparation Workers	65,025	66,155	1,130	1.7%	566	2,691	3,257
35-2011	Cooks, Fast Food	16,949	17,261	312	1.8%	156	673	829
35-2012	Cooks, Institution and Cafeteria	5,911	5,945	34	0.6%	17	235	252
35-2014	Cooks, Restaurant	18,086	18,296	210	1.2%	105	718	823
35-2015	Cooks, Short Order	4,490	4,518	28	0.6%	14	179	193
35-2019	Cooks, All Other	338	342	4	1.2%	2	14	16
35-2021	Food Preparation Workers	19,239	19,782	543	2.8%	272	873	1,145
35-3000	Food and Beverage Serving Workers	120,861	122,412	1,551	1.3%	781	7,168	7,949
35-3011	Bartenders	9,543	9,632	89	0.9%	45	368	413
35-3021	Combined Food Preparation and Serving Workers, Including	49,239	49,941	702	1.4%	351	2,684	3,035
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee	11,643	11,934	291	2.5%	146	1,224	1,370
35-3031	Waiters and Waitresses	46,835	47,315	480	1.0%	240	2,736	2,976
35-3041	Food Servers, Nonrestaurant	3,601	3,590	-11	-0.3%	0	157	157
35-9000	Other Food Preparation and Serving Related Workers	39,755	40,085	330	0.8%	166	1,746	1,912
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	14,297	14,392	95	0.7%	48	643	691
35-9021	Dishwashers	14,626	14,730	104	0.7%	52	697	749
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	10,714	10,846	132	1.2%	66	401	467
35-9099	Food Preparation and Serving Related Workers, All Other	118	117	-1	-0.8%	0	5	5
37-0000	Building and Grounds Cleaning and Maintenance Occupations	121,113	123,069	1,956	1.6%	981	2,374	3,355
37-1000	Supervisors, Building and Grounds Cleaning and Maintenance Workers	11,545	11,721	176	1.5%	88	167	255
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	4,986	5,067	81	1.6%	41	111	152
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	6,559	6,654	95	1.4%	48	56	104
37-2000	Building Cleaning and Pest Control Workers	68,318	69,344	1,026	1.5%	513	1,308	1,821
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	42,905	43,708	803	1.9%	402	808	1,210
37-2012	Maids and Housekeeping Cleaners	22,590	22,762	172	0.8%	86	464	550
37-3000	Grounds Maintenance Workers	41,250	42,004	754	1.8%	380	900	1,280
37-3011	Landscaping and Groundskeeping Workers	40,360	41,120	760	1.9%	380	881	1,261
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	416	413	-3	-0.7%	0	9	9
39-0000	Personal Care and Service Occupations	94,486	96,874	2,388	2.5%	1,386	2,303	3,689
39-1000	Supervisors, Personal Care and Service Workers	8,229	8,348	119	1.4%	60	180	240

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
39-1011	Gaming Supervisors	2,670	2,740	70	2.6%	35	54	89
39-1012	Slot Key Persons	2,077	2,111	34	1.6%	17	42	59
39-1021	First-Line Supervisors/Managers of Personal Service Workers	3,482	3,497	15	0.4%	8	84	92
39-2000	Animal Care and Service Workers	7,338	7,644	306	4.2%	153	165	318
39-2011	Animal Trainers	2,929	3,100	171	5.8%	86	63	149
39-2021	Nonfarm Animal Caretakers	4,409	4,544	135	3.1%	68	102	170
39-3000	Entertainment Attendants and Related Workers	12,646	13,233	587	4.6%	296	571	867
39-3011	Gaming Dealers	3,495	3,670	175	5.0%	88	148	236
39-3012	Gaming and Sports Book Writers and Runners	713	736	23	3.2%	12	30	42
39-3019	Gaming Service Workers, All Other	801	839	38	4.7%	19	32	51
39-3031	Ushers, Lobby Attendants, and Ticket Takers	1,610	1,648	38	2.4%	19	138	157
39-3091	Amusement and Recreation Attendants	4,280	4,520	240	5.6%	120	155	275
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	519	545	26	5.0%	13	19	32
39-3099	Entertainment Attendants and Related Workers, All Other	1,005	1,054	49	4.9%	25	40	65
39-4000	Funeral Service Workers	416	414	-2	-0.5%	0	10	10
39-4011	Embalmers	59	58	-1	-1.7%	0	2	2
39-4021	Funeral Attendants	357	356	-1	-0.3%	0	8	8
39-5000	Personal Appearance Workers	14,676	14,418	-258	-1.8%	0	272	272
39-5012	Hairdressers, Hairstylists, and Cosmetologists	10,264	10,074	-190	-1.9%	0	184	184
39-5092	Manicurists and Pedicurists	1,741	1,718	-23	-1.3%	0	32	32
39-5094	Skin Care Specialists	1,595	1,589	-6	-0.4%	0	29	29
39-6000	Transportation, Tourism, and Lodging Attendants	8,251	8,183	-68	-0.8%	22	158	180
39-6011	Baggage Porters and Bellhops	1,421	1,392	-29	-2.0%	0	44	44
39-6012	Concierges	423	421	-2	-0.5%	0	13	13
39-6021	Tour Guides and Escorts	942	972	30	3.2%	15	27	42
39-6032	Transportation Attendants, Except Flight Attendants and	384	387	3	0.8%	2	5	7
39-9000	Other Personal Care and Service Workers	42,930	44,634	1,704	4.0%	857	948	1,805
39-9011	Child Care Workers	14,626	15,012	386	2.6%	193	426	619
39-9021	Personal and Home Care Aides	15,209	16,128	919	6.0%	460	231	691
39-9031	Fitness Trainers and Aerobics Instructors	5,150	5,446	296	5.7%	148	115	263
39-9032	Recreation Workers	6,149	6,230	81	1.3%	41	137	178
39-9041	Residential Advisors	738	769	31	4.2%	16	15	31
39-9099	Personal Care and Service Workers, All Other	1,058	1,049	-9	-0.9%	0	25	25
41-0000	Sales and Related Occupations	320,615	320,875	260	0.1%	1,285	11,701	12,986
41-1000	Supervisors, Sales Workers	46,706	46,557	-149	-0.3%	30	772	802
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	37,655	37,715	60	0.2%	30	617	647
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	9,051	8,842	-209	-2.3%	0	155	155
41-2000	Retail Sales Workers	173,754	175,784	2,030	1.2%	1,126	8,816	9,942
41-2011	Cashiers	72,850	73,734	884	1.2%	442	4,713	5,155

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
41-2012	Gaming Change Persons and Booth Cashiers	1,137	1,150	13	1.1%	7	74	81
41-2021	Counter and Rental Clerks	8,876	8,889	13	0.1%	7	414	421
41-2022	Parts Salespersons	4,410	4,189	-221	-5.0%	0	134	134
41-2031	Retail Salespersons	86,481	87,822	1,341	1.6%	671	3,483	4,154
41-3000	Sales Representatives, Services	25,703	25,552	-151	-0.6%	57	458	515
41-3011	Advertising Sales Agents	3,181	3,294	113	3.6%	57	57	114
41-3021	Insurance Sales Agents	8,030	7,971	-59	-0.7%	0	183	183
41-3031	Securities, Commodities, and Financial Services Sales Agents	6,498	6,491	-7	-0.1%	0	65	65
41-3041	Travel Agents	2,181	2,139	-42	-1.9%	0	47	47
41-3099	Sales Representatives, Services, All Other	5,813	5,657	-156	-2.7%	0	107	107
41-4000	Sales Representatives, Wholesale and Manufacturing	40,848	40,879	31	0.1%	60	1,057	1,117
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	11,105	11,224	119	1.1%	60	288	348
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	29,743	29,655	-88	-0.3%	0	770	770
41-9000	Other Sales and Related Workers	33,604	32,103	-1,501	-4.5%	13	599	612
41-9011	Demonstrators and Product Promoters	1,917	1,934	17	0.9%	9	42	51
41-9022	Real Estate Sales Agents	9,281	9,079	-202	-2.2%	0	171	171
41-9031	Sales Engineers	989	989	0	0.0%	0	29	29
41-9041	Telemarketers	13,304	12,112	-1,192	-9.0%	0	208	208
41-9099	Sales and Related Workers, All Other	2,017	2,025	8	0.4%	4	37	41
43-0000	Office and Administrative Support Occupations	527,590	515,761	-11,829	-2.2%	678	12,265	12,943
43-1000	Supervisors, Office and Administrative Support Workers	28,920	28,365	-555	-1.9%	0	563	563
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	28,920	28,365	-555	-1.9%	0	563	563
43-2000	Communications Equipment Operators	5,130	4,854	-276	-5.4%	0	128	128
43-2011	Switchboard Operators, Including Answering Service	3,903	3,706	-197	-5.0%	0	102	102
43-3000	Financial Clerks	76,941	74,986	-1,955	-2.5%	5	1,879	1,884
43-3011	Bill and Account Collectors	11,510	11,336	-174	-1.5%	0	205	205
43-3021	Billing and Posting Clerks and Machine Operators	9,793	9,744	-49	-0.5%	0	154	154
43-3031	Bookkeeping, Accounting, and Auditing Clerks	36,326	35,451	-875	-2.4%	0	640	640
43-3041	Gaming Cage Workers	833	843	10	1.2%	5	54	59
43-3051	Payroll and Timekeeping Clerks	5,897	5,860	-37	-0.6%	0	147	147
43-3061	Procurement Clerks	1,097	1,075	-22	-2.0%	0	27	27
43-3071	Tellers	11,485	10,677	-808	-7.0%	0	653	653
43-4000	Information and Record Clerks	153,933	150,567	-3,366	-2.2%	358	3,079	3,437
43-4011	Brokerage Clerks	1,097	1,162	65	5.9%	33	13	46
43-4031	Court, Municipal, and License Clerks	2,435	2,481	46	1.9%	23	51	74

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
43-4051	Customer Service Representatives	63,791	63,950	159	0.2%	80	920	1,000
43-4061	Eligibility Interviewers, Government Programs	1,467	1,434	-33	-2.2%	0	36	36
43-4071	File Clerks	6,830	6,154	-676	-9.9%	0	207	207
43-4081	Hotel, Motel, and Resort Desk Clerks	4,318	4,285	-33	-0.8%	0	219	219
43-4111	Interviewers, Except Eligibility and Loan	3,889	4,054	165	4.2%	83	100	183
43-4121	Library Assistants, Clerical	1,042	1,052	10	1.0%	5	49	54
43-4131	Loan Interviewers and Clerks	9,511	8,465	-1,046	-11.0%	0	117	117
43-4141	New Accounts Clerks	2,012	1,820	-192	-9.5%	0	51	51
43-4151	Order Clerks	5,092	4,831	-261	-5.1%	0	117	117
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	5,647	5,703	56	1.0%	28	116	144
43-4171	Receptionists and Information Clerks	23,916	24,130	214	0.9%	107	616	723
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	7,561	7,421	-140	-1.9%	0	202	202
43-4199	Information and Record Clerks, All Other	4,201	4,068	-133	-3.2%	0	60	60
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	94,935	92,713	-2,222	-2.3%	110	3,249	3,359
43-5011	Cargo and Freight Agents	1,276	1,218	-58	-4.5%	0	28	28
43-5021	Couriers and Messengers	1,926	1,877	-49	-2.5%	0	47	47
43-5031	Police, Fire, and Ambulance Dispatchers	1,591	1,616	25	1.6%	13	33	46
43-5032	Dispatchers, Except Police, Fire, and Ambulance	4,079	3,984	-95	-2.3%	0	84	84
43-5041	Meter Readers, Utilities	1,588	1,442	-146	-9.2%	0	49	49
43-5051	Postal Service Clerks	1,211	1,234	23	1.9%	12	29	41
43-5052	Postal Service Mail Carriers	5,667	5,781	114	2.0%	57	166	223
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	2,879	2,937	58	2.0%	29	69	98
43-5061	Production, Planning, and Expediting Clerks	5,324	5,308	-16	-0.3%	0	123	123
43-5071	Shipping, Receiving, and Traffic Clerks	27,089	26,281	-808	-3.0%	0	538	538
43-5081	Stock Clerks and Order Fillers	41,159	39,901	-1,258	-3.1%	0	2,056	2,056
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	1,146	1,134	-12	-1.0%	0	30	30
43-6000	Secretaries and Administrative Assistants	78,816	77,847	-969	-1.2%	203	1,372	1,575
43-6011	Executive Secretaries and Administrative Assistants	37,545	37,145	-400	-1.1%	0	654	654
43-6012	Legal Secretaries	4,517	4,614	97	2.1%	49	79	128
43-6013	Medical Secretaries	7,093	7,402	309	4.4%	155	124	279
43-6014	Secretaries, Except Legal, Medical, and Executive	29,661	28,686	-975	-3.3%	0	517	517
43-9000	Other Office and Administrative Support Workers	88,915	86,429	-2,486	-2.8%	3	1,995	1,998
43-9011	Computer Operators	3,921	3,571	-350	-8.9%	0	81	81
43-9021	Data Entry Keyers	7,734	7,469	-265	-3.4%	0	185	185

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
43-9022	Word Processors and Typists	2,326	2,172	-154	-6.6%	0	51	51
43-9031	Desktop Publishers	285	290	5	1.8%	3	6	9
43-9041	Insurance Claims and Policy Processing Clerks	2,789	2,783	-6	-0.2%	0	42	42
43-9051	Mail Clerks and Mail Machine Operators, Except Postal	2,848	2,561	-287	-10.1%	0	89	89
43-9061	Office Clerks, General	64,213	62,939	-1,274	-2.0%	0	1,427	1,427
43-9071	Office Machine Operators, Except Computer	937	866	-71	-7.6%	0	24	24
43-9081	Proofreaders and Copy Markers	911	895	-16	-1.8%	0	21	21
43-9111	Statistical Assistants	172	172	0	0.0%	0	3	3
43-9199	Office and Administrative Support Workers, All Other	2,779	2,711	-68	-2.4%	0	69	69
45-0000	Farming, Fishing, and Forestry Occupations	17,851	18,607	756	4.2%	378	527	905
45-1000	Supervisors, Farming, Fishing, and Forestry Workers	1,017	1,065	48	4.7%	24	24	48
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	1,003	1,050	47	4.7%	24	23	47
45-2000	Agricultural Workers	16,483	17,173	690	4.2%	345	496	841
45-2011	Agricultural Inspectors	260	262	2	0.8%	1	6	7
45-2021	Animal Breeders	262	279	17	6.5%	9	4	13
45-2041	Graders and Sorters, Agricultural Products	953	977	24	2.5%	12	26	38
45-2091	Agricultural Equipment Operators	1,089	1,148	59	5.4%	30	34	64
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	11,962	12,488	526	4.4%	263	369	632
45-2093	Farmworkers, Farm and Ranch Animals	1,593	1,642	49	3.1%	25	49	74
45-2099	Agricultural Workers, All Other	364	377	13	3.6%	7	9	16
45-4000	Forest, Conservation, and Logging Workers	348	366	18	5.2%	9	7	16
45-4021	Fallers	94	102	8	8.5%	4	2	6
47-0000	Construction and Extraction Occupations	247,623	221,001	-26,622	-10.8%	230	4,473	4,703
47-1000	Supervisors, Construction and Extraction Workers	16,164	14,450	-1,714	-10.6%	0	238	238
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	16,164	14,450	-1,714	-10.6%	0	238	238
47-2000	Construction Trades Workers	209,165	186,092	-23,073	-11.0%	119	3,541	3,660
47-2011	Boilermakers	180	170	-10	-5.6%	0	7	7
47-2021	Brickmasons and Blockmasons	5,966	5,118	-848	-14.2%	0	80	80
47-2022	Stonemasons	1,356	1,164	-192	-14.2%	0	18	18
47-2031	Carpenters	53,836	47,728	-6,108	-11.3%	0	789	789
47-2041	Carpet Installers	2,576	2,290	-286	-11.1%	0	35	35
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	1,167	1,032	-135	-11.6%	0	16	16
47-2044	Tile and Marble Setters	2,678	2,383	-295	-11.0%	0	36	36
47-2051	Cement Masons and Concrete Finishers	11,141	9,710	-1,431	-12.8%	0	209	209
47-2053	Terrazzo Workers and Finishers	353	307	-46	-13.0%	0	7	7
47-2061	Construction Laborers	31,190	27,591	-3,599	-11.5%	0	389	389

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
47-2071	Paving, Surfacing, and Tamping Equipment Operators	1,273	1,235	-38	-3.0%	0	17	17
47-2073	Operating Engineers and Other Construction Equipment Operators	13,992	14,230	238	1.7%	119	349	468
47-2081	Drywall and Ceiling Tile Installers	9,726	8,333	-1,393	-14.3%	0	199	199
47-2082	Tapers	6,284	5,350	-934	-14.9%	0	129	129
47-2111	Electricians	16,140	14,466	-1,674	-10.4%	0	299	299
47-2121	Glaziers	1,618	1,420	-198	-12.2%	0	31	31
47-2131	Insulation Workers, Floor, Ceiling, and Wall	500	423	-77	-15.4%	0	15	15
47-2132	Insulation Workers, Mechanical	560	471	-89	-15.9%	0	17	17
47-2141	Painters, Construction and Maintenance	15,816	13,821	-1,995	-12.6%	0	219	219
47-2151	Pipelayers	2,593	2,460	-133	-5.1%	0	57	57
47-2152	Plumbers, Pipefitters, and Steamfitters	12,063	10,582	-1,481	-12.3%	0	265	265
47-2161	Plasterers and Stucco Masons	4,061	3,473	-588	-14.5%	0	67	67
47-2171	Reinforcing Iron and Rebar Workers	1,320	1,146	-174	-13.2%	0	24	24
47-2181	Roofers	6,572	5,690	-882	-13.4%	0	143	143
47-2211	Sheet Metal Workers	3,723	3,316	-407	-10.9%	0	88	88
47-2221	Structural Iron and Steel Workers	1,755	1,545	-210	-12.0%	0	32	32
47-3000	Helpers, Construction Trades	12,229	10,583	-1,646	-13.5%	0	504	504
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	1,264	1,090	-174	-13.8%	0	52	52
47-3012	Helpers--Carpenters	3,547	3,065	-482	-13.6%	0	146	146
47-3013	Helpers--Electricians	2,356	2,003	-353	-15.0%	0	97	97
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	1,126	976	-150	-13.3%	0	47	47
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	2,382	2,104	-278	-11.7%	0	98	98
47-3016	Helpers--Roofers	578	497	-81	-14.0%	0	24	24
47-3019	Helpers, Construction Trades, All Other	976	848	-128	-13.1%	0	40	40
47-4000	Other Construction and Related Workers	8,642	8,314	-328	-3.8%	42	155	197
47-4011	Construction and Building Inspectors	2,735	2,779	44	1.6%	22	55	77
47-4021	Elevator Installers and Repairers	254	220	-34	-13.4%	0	6	6
47-4031	Fence Erectors	1,695	1,450	-245	-14.5%	0	23	23
47-4041	Hazardous Materials Removal Workers	711	708	-3	-0.4%	0	19	19
47-4051	Highway Maintenance Workers	1,525	1,562	37	2.4%	19	21	40
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	446	448	2	0.4%	1	12	13
47-4099	Construction and Related Workers, All Other	920	817	-103	-11.2%	0	14	14
47-5000	Extraction Workers	1,423	1,562	139	9.8%	70	36	106
47-5021	Earth Drillers, Except Oil and Gas	390	414	24	6.2%	12	8	20
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	57	70	13	22.8%	7	3	10

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
47-5041	Continuous Mining Machine Operators	375	423	48	12.8%	24	11	35
47-5042	Mine Cutting and Channeling Machine Operators	142	159	17	12.0%	9	4	13
47-5081	Helpers--Extraction Workers	247	266	19	7.7%	10	7	17
49-0000	Installation, Maintenance, and Repair Occupations	112,360	111,374	-986	-0.9%	335	2,449	2,784
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	8,521	8,509	-12	-0.1%	0	195	195
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	8,521	8,509	-12	-0.1%	0	195	195
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	14,316	13,924	-392	-2.7%	6	245	251
49-2011	Computer, Automated Teller, and Office Machine Repairers	3,009	2,978	-31	-1.0%	0	32	32
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	5,151	4,942	-209	-4.1%	0	93	93
49-2091	Avionics Technicians	350	354	4	1.1%	2	8	10
49-2092	Electric Motor, Power Tool, and Related Repairers	522	514	-8	-1.5%	0	12	12
49-2093	Electrical and Electronics Installers and Repairers,	188	190	2	1.1%	1	5	6
49-2094	Electrical and Electronics Repairers, Commercial and	1,360	1,340	-20	-1.5%	0	28	28
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	152	153	1	0.7%	1	3	4
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	330	332	2	0.6%	1	8	9
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	1,184	1,187	3	0.3%	2	22	24
49-2098	Security and Fire Alarm Systems Installers	2,057	1,922	-135	-6.6%	0	36	36
49-3000	Vehicle and Mobile Equipment Mechanics, Installers	36,443	36,302	-141	-0.4%	177	950	1,127
49-3011	Aircraft Mechanics and Service Technicians	3,144	3,154	10	0.3%	5	71	76
49-3021	Automotive Body and Related Repairers	3,473	3,359	-114	-3.3%	0	66	66
49-3022	Automotive Glass Installers and Repairers	622	606	-16	-2.6%	0	11	11
49-3023	Automotive Service Technicians and Mechanics	16,663	16,419	-244	-1.5%	0	432	432
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	4,545	4,521	-24	-0.5%	0	113	113
49-3041	Farm Equipment Mechanics	488	485	-3	-0.6%	0	10	10
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	3,370	3,701	331	9.8%	166	67	233
49-3051	Motorboat Mechanics	244	240	-4	-1.6%	0	6	6
49-3052	Motorcycle Mechanics	476	461	-15	-3.2%	0	12	12
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	258	254	-4	-1.6%	0	6	6
49-3091	Bicycle Repairers	381	394	13	3.4%	7	19	26
49-3093	Tire Repairers and Changers	2,499	2,433	-66	-2.6%	0	126	126
49-9000	Other Installation, Maintenance, and Repair Occupations	53,080	52,639	-441	-0.8%	152	1,060	1,212

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
49-9011	Mechanical Door Repairers	585	537	-48	-8.2%	0	14	14
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	769	776	7	0.9%	4	19	23
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	5,726	5,176	-550	-9.6%	0	67	67
49-9031	Home Appliance Repairers	1,077	1,078	1	0.1%	1	25	26
49-9041	Industrial Machinery Mechanics	3,240	3,331	91	2.8%	46	59	105
49-9042	Maintenance and Repair Workers, General	27,692	27,822	130	0.5%	65	491	556
49-9043	Maintenance Workers, Machinery	1,320	1,321	1	0.1%	1	30	31
49-9044	Millwrights	302	291	-11	-3.6%	0	7	7
49-9051	Electrical Power-Line Installers and Repairers	1,423	1,384	-39	-2.7%	0	44	44
49-9052	Telecommunications Line Installers and Repairers	1,391	1,341	-50	-3.6%	0	37	37
49-9061	Camera and Photographic Equipment Repairers	86	83	-3	-3.5%	0	3	3
49-9062	Medical Equipment Repairers	491	517	26	5.3%	13	13	26
49-9064	Watch Repairers	185	182	-3	-1.6%	0	5	5
49-9069	Precision Instrument and Equipment Repairers, All Other	505	498	-7	-1.4%	0	14	14
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	660	652	-8	-1.2%	0	16	16
49-9094	Locksmiths and Safe Repairers	750	751	1	0.1%	1	25	26
49-9098	Helpers--Installation, Maintenance, and Repair Workers	2,942	2,923	-19	-0.6%	0	108	108
49-9099	Installation, Maintenance, and Repair Workers, All Other	3,402	3,442	40	1.2%	20	74	94
51-0000	Production Occupations	129,669	126,661	-3,008	-2.3%	271	3,077	3,348
51-1000	Supervisors, Production Workers	9,492	9,403	-89	-0.9%	0	182	182
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	9,492	9,403	-89	-0.9%	0	182	182
51-2000	Assemblers and Fabricators	32,830	31,739	-1,091	-3.3%	33	812	845
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	1,861	1,927	66	3.5%	33	50	83
51-2021	Coil Winders, Tapers, and Finishers	490	448	-42	-8.6%	0	11	11
51-2022	Electrical and Electronic Equipment Assemblers	6,798	6,427	-371	-5.5%	0	154	154
51-2023	Electromechanical Equipment Assemblers	1,375	1,282	-93	-6.8%	0	31	31
51-2041	Structural Metal Fabricators and Fitters	1,299	1,221	-78	-6.0%	0	29	29
51-2091	Fiberglass Laminators and Fabricators	312	306	-6	-1.9%	0	8	8
51-2092	Team Assemblers	17,415	17,023	-392	-2.3%	0	445	445
51-2099	Assemblers and Fabricators, All Other	2,834	2,681	-153	-5.4%	0	73	73
51-3000	Food Processing Workers	10,327	10,533	206	2.0%	109	246	355
51-3011	Bakers	3,863	3,963	100	2.6%	50	92	142
51-3021	Butchers and Meat Cutters	2,490	2,563	73	2.9%	37	57	94
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	1,185	1,208	23	1.9%	12	27	39

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
51-3092	Food Batchmakers	1,684	1,697	13	0.8%	7	43	50
51-3093	Food Cooking Machine Operators and Tenders	588	596	8	1.4%	4	14	18
51-4000	Metal Workers and Plastic Workers	20,217	19,561	-656	-3.2%	26	474	500
51-4011	Computer-Controlled Machine Tool Operators, Metal and	1,129	1,097	-32	-2.8%	0	16	16
51-4012	Numerical Tool and Process Control Programmers	274	276	2	0.7%	1	4	5
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	531	495	-36	-6.8%	0	18	18
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	291	279	-12	-4.1%	0	4	4
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	326	309	-17	-5.2%	0	7	7
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,219	2,054	-165	-7.4%	0	49	49
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	264	255	-9	-3.4%	0	7	7
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	847	810	-37	-4.4%	0	16	16
51-4034	Lathe and Turning Machine Tool Setters, Operators, and	467	463	-4	-0.9%	0	9	9
51-4035	Milling and Planing Machine Setters, Operators, and Tenders,	298	290	-8	-2.7%	0	5	5
51-4041	Machinists	4,635	4,573	-62	-1.3%	0	103	103
51-4051	Metal-Refining Furnace Operators and Tenders	243	282	39	16.0%	20	5	25
51-4052	Pourers and Casters, Metal	148	142	-6	-4.1%	0	3	3
51-4061	Model Makers, Metal and Plastic	116	115	-1	-0.9%	0	4	4
51-4062	Patternmakers, Metal and Plastic	62	60	-2	-3.2%	0	2	2
51-4071	Foundry Mold and Coremakers	204	198	-6	-2.9%	0	5	5
51-4072	Molding, Coremaking, and Casting Machine Setters,	497	473	-24	-4.8%	0	12	12
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	276	269	-7	-2.5%	0	8	8
51-4111	Tool and Die Makers	379	376	-3	-0.8%	0	8	8
51-4121	Welders, Cutters, Solderers, and Brazers	5,707	5,469	-238	-4.2%	0	157	157
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators,	376	381	5	1.3%	3	11	14
51-4191	Heat Treating Equipment Setters, Operators, and Tenders,	129	134	5	3.9%	3	5	8
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	421	395	-26	-6.2%	0	9	9
51-4194	Tool Grinders, Filers, and Sharpeners	321	312	-9	-2.8%	0	10	10
51-5000	Printing Workers	4,229	4,138	-91	-2.2%	0	97	97
51-5011	Bindery Workers	698	657	-41	-5.9%	0	19	19
51-5022	Prepress Technicians and Workers	1,191	1,162	-29	-2.4%	0	27	27
51-5023	Printing Machine Operators	1,783	1,767	-16	-0.9%	0	39	39

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
51-6000	Textile, Apparel, and Furnishings Workers	10,426	10,276	-150	-1.4%	6	233	239
51-6011	Laundry and Dry-Cleaning Workers	5,092	5,103	11	0.2%	6	144	150
51-6021	Pressers, Textile, Garment, and Related Materials	1,278	1,251	-27	-2.1%	0	19	19
51-6031	Sewing Machine Operators	1,717	1,667	-50	-2.9%	0	19	19
51-6041	Shoe and Leather Workers and Repairers	125	123	-2	-1.6%	0	4	4
51-6052	Tailors, Dressmakers, and Custom Sewers	565	558	-7	-1.2%	0	10	10
51-6092	Fabric and Apparel Patternmakers	100	97	-3	-3.0%	0	6	6
51-6093	Upholsterers	247	235	-12	-4.9%	0	6	6
51-6099	Textile, Apparel, and Furnishings Workers, All Other	558	536	-22	-3.9%	0	14	14
51-7000	Woodworkers	5,041	4,717	-324	-6.4%	0	132	132
51-7011	Cabinetmakers and Bench Carpenters	2,477	2,372	-105	-4.2%	0	65	65
51-7021	Furniture Finishers	581	522	-59	-10.2%	0	12	12
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	662	608	-54	-8.2%	0	21	21
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,139	1,041	-98	-8.6%	0	29	29
51-7099	Woodworkers, All Other	128	121	-7	-5.5%	0	4	4
51-8000	Plant and System Operators	2,517	2,537	20	0.8%	12	71	83
51-8012	Power Distributors and Dispatchers	209	210	1	0.5%	1	5	6
51-8013	Power Plant Operators	193	193	0	0.0%	0	5	5
51-8021	Stationary Engineers and Boiler Operators	344	344	0	0.0%	0	6	6
51-8031	Water and Liquid Waste Treatment Plant and System Operators	1,111	1,129	18	1.6%	9	39	48
51-8091	Chemical Plant and System Operators	70	69	-1	-1.4%	0	2	2
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	259	262	3	1.2%	2	8	10
51-8099	Plant and System Operators, All Other	122	120	-2	-1.6%	0	4	4
51-9000	Other Production Occupations	34,590	33,757	-833	-2.4%	87	833	920
51-9011	Chemical Equipment Operators and Tenders	59	61	2	3.4%	1	2	3
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	920	1,029	109	11.8%	55	28	83
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	535	550	15	2.8%	8	14	22
51-9022	Grinding and Polishing Workers, Hand	763	735	-28	-3.7%	0	20	20
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	1,114	1,082	-32	-2.9%	0	28	28
51-9031	Cutters and Trimmers, Hand	150	151	1	0.7%	1	3	4
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	444	429	-15	-3.4%	0	9	9
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	994	972	-22	-2.2%	0	26	26

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	356	346	-10	-2.8%	0	8	8
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	5,976	5,821	-155	-2.6%	0	130	130
51-9071	Jewelers and Precious Stone and Metal Workers	621	643	22	3.5%	11	12	23
51-9081	Dental Laboratory Technicians	746	726	-20	-2.7%	0	15	15
51-9083	Ophthalmic Laboratory Technicians	824	838	14	1.7%	7	17	24
51-9111	Packaging and Filling Machine Operators and Tenders	3,454	3,350	-104	-3.0%	0	68	68
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,282	1,234	-48	-3.7%	0	34	34
51-9122	Painters, Transportation Equipment	1,255	1,242	-13	-1.0%	0	33	33
51-9123	Painting, Coating, and Decorating Workers	650	656	6	0.9%	3	17	20
51-9131	Photographic Process Workers	377	360	-17	-4.5%	0	9	9
51-9132	Photographic Processing Machine Operators	879	834	-45	-5.1%	0	21	21
51-9141	Semiconductor Processors	1,584	1,498	-86	-5.4%	0	33	33
51-9191	Cementing and Gluing Machine Operators and Tenders	98	95	-3	-3.1%	0	3	3
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	189	192	3	1.6%	2	6	8
51-9193	Cooling and Freezing Equipment Operators and Tenders	192	185	-7	-3.6%	0	6	6
51-9194	Etchers and Engravers	117	118	1	0.9%	1	3	4
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	876	823	-53	-6.1%	0	21	21
51-9196	Paper Goods Machine Setters, Operators, and Tenders	1,184	1,148	-36	-3.0%	0	24	24
51-9198	Helpers--Production Workers	6,630	6,397	-233	-3.5%	0	195	195
51-9199	Production Workers, All Other	2,098	2,023	-75	-3.6%	0	49	49
53-0000	Transportation and Material Moving Occupations	163,136	161,876	-1,260	-0.8%	358	3,843	4,201
53-1000	Supervisors, Transportation and Material Moving Workers	6,375	6,383	8	0.1%	8	140	148
53-1011	Aircraft Cargo Handling Supervisors	149	146	-3	-2.0%	0	4	4
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	3,032	3,027	-5	-0.2%	0	67	67
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	3,194	3,210	16	0.5%	8	70	78
53-2000	Air Transportation Workers	5,113	5,083	-30	-0.6%	7	126	133
53-2011	Airline Pilots, Copilots, and Flight Engineers	3,608	3,567	-41	-1.1%	0	89	89
53-2012	Commercial Pilots	996	993	-3	-0.3%	0	25	25
53-2021	Air Traffic Controllers	336	347	11	3.3%	6	8	14
53-2022	Airfield Operations Specialists	173	176	3	1.7%	2	4	6
53-3000	Motor Vehicle Operators	68,588	68,854	266	0.4%	196	914	1,110
53-3011	Ambulance Drivers and Attendants, Except Emergency	401	417	16	4.0%	8	4	12
53-3021	Bus Drivers, Transit and Intercity	2,990	3,028	38	1.3%	19	61	80
53-3022	Bus Drivers, School	6,211	6,375	164	2.6%	82	126	208

Standard Occupation Classification (SOC) ¹		Employment		2 Year Change		Average Annual Openings		
SOC Code	SOC Title	2007 Estimated	2009 Projected	Number	Percent	Due to Growth	Due to Separations	Total ²
53-3031	Driver/Sales Workers	8,584	8,704	120	1.4%	60	128	188
53-3032	Truck Drivers, Heavy and Tractor-Trailer	26,649	26,535	-114	-0.4%	0	398	398
53-3033	Truck Drivers, Light or Delivery Services	18,860	18,849	-11	-0.1%	0	152	152
53-3041	Taxi Drivers and Chauffeurs	3,494	3,530	36	1.0%	18	28	46
53-3099	Motor Vehicle Operators, All Other	1,399	1,416	17	1.2%	9	18	27
53-6000	Other Transportation Workers	6,525	6,309	-216	-3.3%	3	251	254
53-6021	Parking Lot Attendants	3,522	3,302	-220	-6.2%	0	115	115
53-6031	Service Station Attendants	1,930	1,933	3	0.2%	2	105	107
53-6051	Transportation Inspectors	374	375	1	0.3%	1	9	10
53-6099	Transportation Workers, All Other	559	558	-1	-0.2%	0	18	18
53-7000	Material Moving Workers	74,463	73,171	-1,292	-1.7%	121	2,367	2,488
53-7011	Conveyor Operators and Tenders	427	431	4	0.9%	2	13	15
53-7021	Crane and Tower Operators	377	338	-39	-10.3%	0	8	8
53-7032	Excavating and Loading Machine and Dragline Operators	2,346	2,127	-219	-9.3%	0	63	63
53-7051	Industrial Truck and Tractor Operators	6,222	6,099	-123	-2.0%	0	111	111
53-7061	Cleaners of Vehicles and Equipment	7,375	7,162	-213	-2.9%	0	284	284
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	41,580	40,718	-862	-2.1%	0	1,564	1,564
53-7063	Machine Feeders and Offbearers	656	618	-38	-5.8%	0	19	19
53-7064	Packers and Packagers, Hand	13,049	13,285	236	1.8%	118	247	365
53-7071	Gas Compressor and Gas Pumping Station Operators	244	245	1	0.4%	1	6	7
53-7081	Refuse and Recyclable Material Collectors	1,817	1,793	-24	-1.3%	0	46	46
53-7121	Tank Car, Truck, and Ship Loaders	108	105	-3	-2.8%	0	3	3
53-7199	Material Moving Workers, All Other	125	118	-7	-5.6%	0	4	4

¹ For more information on the Standard Occupational Classification (SOC) system, go to: www.bls.gov/soc/socguide.htm

For Occupational Dictionary, see: http://www.bls.gov/oes/current/oes_stru.htm

² Total average annual openings are the sum of openings from growth plus openings from separations. Separations are vacancies caused by workers leaving the labor market or changing occupations. Thus an occupation that is not growing or is in decline could still have openings due to separations.

Some Occupations suppressed due to confidentiality or base employment less than 50.

Headings in bold font are the major occupational groups of the Standard Occupational Classification (SOC) system. Major occupational groups of the SOC are a composite of all individual occupations listed below the major group heading. Occupation codes ending in 000 (e.g. 11-1000, 11-2000, 11-3000, etc) are a summation of all the occupations listed below them.

The projections presented should be viewed as indicators of relative magnitude and probable direction rather than as forecasts of absolute occupational demand.

Furthermore, the occupational forecasts are only measures of expected employment and demand for labor and indicate little about future labor supply.

It is therefore recommended that these data be used with other sources of occupational information.

[See Notes worksheet for additional information on methodology.](#)

Prepared by Arizona Dept of Commerce, Research Administration in cooperation with the U.S. Dept of Labor, Bureau of Labor Statistics, July 2008.

For more information on occupational projections, visit: <http://stats.bls.gov/emp/optd/home.htm>

Methodology

Before using the data in this report, readers should understand this methodology and note its limitations. **The projections presented should be viewed as indicators of relative magnitude and probable direction rather than as forecasts of absolute occupational demand.**

Furthermore, the occupational forecasts are only measures of expected employment and demand for labor and indicate little about future labor supply. It is therefore recommended that these data be used with other sources of occupational information.

The total occupational employment of the forecast will be greater than the total nonfarm employment estimated by the Current Employment Statistics (CES) program and Occupational Employment Survey (OES) program for the following reasons. First, self employed, unpaid family workers, and agriculture workers are included in the projections, but not in CES and OES. Next, some industries are not included in the OES data because of low survey response rate and a base employment level that is too small to make any statistically significant estimates.

Employment projections provided in this publication were developed in cooperation with and using techniques based on those developed by the U.S Department of Labor's Bureau of Labor Statistics. This methodology is comprised of five basic steps:

- 1) Industry employment data is compiled from CES and unemployment insurance tax records.
- 2) A fraction of the industry employment is assumed to be self employed or unpaid family workers. The fraction is determined from national surveys and is added to the state's industry employment data.
- 3) Staffing patterns from state and national data are used to divide each industry's total employment into the different occupations for that industry.
- 4) Each industry's total employment is calculated during the forecast period according to the short term industry projections for the same time period that were produced by DES Research Administration. The short term industry projections are available online at:
<http://www.workforce.az.gov/?PAGEID=67&SUBID=174>
- 5) Total employment in any occupation is not only calculated by changes in the total industry employment, but also by changes in share of that occupation's employment in each industry. The change in the share of total industry employment of any occupation is known as the occupational change factor. When the occupational change factor is determined for each occupation in every industry, the occupational forecasts are finished.

To avoid the possible disclosure of confidential employer information, employment data have been suppressed if: less than three firms reported a single occupation; one firm reported more than 50 percent of the occupational estimate; or two firms combined reported more than 75 percent of the occupational estimate. In certain cases, releases may have been obtained from large employers to waive the confidentiality criteria.

Occupational Education and Training Requirements			
Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
11-1011	Chief Executives	4	Bachelor's or higher degree, plus work experience
11-1021	General and Operations Managers	4	Bachelor's or higher degree, plus work experience
11-1031	Legislators	4	Bachelor's or higher degree, plus work experience
11-2011	Advertising and Promotions Managers	4	Bachelor's or higher degree, plus work experience
11-2021	Marketing Managers	4	Bachelor's or higher degree, plus work experience
11-2022	Sales Managers	4	Bachelor's or higher degree, plus work experience
11-2031	Public Relations Managers	4	Bachelor's or higher degree, plus work experience
11-3011	Administrative Services Managers	4	Bachelor's or higher degree, plus work experience
11-3021	Computer and Information Systems Managers	4	Bachelor's or higher degree, plus work experience
11-3031	Financial Managers	4	Bachelor's or higher degree, plus work experience
11-3041	Compensation and Benefits Managers	4	Bachelor's or higher degree, plus work experience
11-3042	Training and Development Managers	4	Bachelor's or higher degree, plus work experience
11-3049	Human Resources Managers, All Other	4	Bachelor's or higher degree, plus work experience
11-3051	Industrial Production Managers	8	Work experience in a related occupation
11-3061	Purchasing Managers	4	Bachelor's or higher degree, plus work experience
11-3071	Transportation, Storage, and Distribution Managers	8	Work experience in a related occupation
11-9011	Farm, Ranch, and Other Agricultural Managers	4	Bachelor's or higher degree, plus work experience
11-9021	Construction Managers	5	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	4	Bachelor's or higher degree, plus work experience
11-9032	Education Administrators, Elementary and Secondary School	4	Bachelor's or higher degree, plus work experience
11-9033	Education Administrators, Postsecondary	4	Bachelor's or higher degree, plus work experience
11-9039	Education Administrators, All Other	4	Bachelor's or higher degree, plus work experience
11-9041	Engineering Managers	4	Bachelor's or higher degree, plus work experience
11-9051	Food Service Managers	8	Work experience in a related occupation
11-9061	Funeral Directors	6	Associate degree
11-9071	Gaming Managers	8	Work experience in a related occupation
11-9081	Lodging Managers	8	Work experience in a related occupation
11-9111	Medical and Health Services Managers	4	Bachelor's or higher degree, plus work experience

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
11-9121	Natural Sciences Managers	4	Bachelor's or higher degree, plus work experience
11-9131	Postmasters and Mail Superintendents	8	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	5	Bachelor's degree
11-9151	Social and Community Service Managers	5	Bachelor's degree
11-9199	Managers, All Other	8	Work experience in a related occupation
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	4	Bachelor's or higher degree, plus work experience
13-1021	Purchasing Agents and Buyers, Farm Products	8	Work experience in a related occupation
13-1022	Wholesale and Retail Buyers, Except Farm Products	8	Work experience in a related occupation
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	8	Work experience in a related occupation
13-1031	Claims Adjusters, Examiners, and Investigators	9	Long-term on-the-job training
13-1032	Insurance Appraisers, Auto Damage	9	Long-term on-the-job training
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	9	Long-term on-the-job training
13-1051	Cost Estimators	8	Work experience in a related occupation
13-1061	Emergency Management Specialists	8	Work experience in a related occupation
13-1071	Employment, Recruitment, and Placement Specialists	5	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	5	Bachelor's degree
13-1073	Training and Development Specialists	5	Bachelor's degree
13-1079	Human Resources, Training, and Labor Relations Specialists, All Other	5	Bachelor's degree
13-1081	Logisticians	5	Bachelor's degree
13-1111	Management Analysts	4	Bachelor's or higher degree, plus work experience
13-1121	Meeting and Convention Planners	5	Bachelor's degree
13-1199	Business Operations Specialists, All Other	5	Bachelor's degree
13-2011	Accountants and Auditors	5	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	7	Postsecondary vocational training
13-2031	Budget Analysts	5	Bachelor's degree
13-2041	Credit Analysts	5	Bachelor's degree
13-2051	Financial Analysts	5	Bachelor's degree
13-2052	Personal Financial Advisors	5	Bachelor's degree
13-2053	Insurance Underwriters	5	Bachelor's degree
13-2061	Financial Examiners	5	Bachelor's degree
13-2071	Loan Counselors	5	Bachelor's degree
13-2072	Loan Officers	5	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	5	Bachelor's degree
13-2082	Tax Preparers	10	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	5	Bachelor's degree
15-1011	Computer and Information Scientists, Research	2	Doctoral degree
15-1021	Computer Programmers	5	Bachelor's degree
15-1031	Computer Software Engineers, Applications	5	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	5	Bachelor's degree
15-1041	Computer Support Specialists	6	Associate degree
15-1051	Computer Systems Analysts	5	Bachelor's degree
15-1061	Database Administrators	5	Bachelor's degree

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
15-1071	Network and Computer Systems Administrators	5	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	5	Bachelor's degree
15-1099	Computer Specialists, All Other	6	Associate degree
15-2011	Actuaries	4	Bachelor's or higher degree, plus work experience
15-2021	Mathematicians	2	Doctoral degree
15-2031	Operations Research Analysts	3	Master's degree
15-2041	Statisticians	3	Master's degree
15-2091	Mathematical Technicians	3	Master's degree
15-2099	Mathematical Science Occupations, All Other	3	Master's degree
17-1011	Architects, Except Landscape and Naval	5	Bachelor's degree
17-1012	Landscape Architects	5	Bachelor's degree
17-1021	Cartographers and Photogrammetrists	5	Bachelor's degree
17-1022	Surveyors	5	Bachelor's degree
17-2011	Aerospace Engineers	5	Bachelor's degree
17-2021	Agricultural Engineers	5	Bachelor's degree
17-2031	Biomedical Engineers	5	Bachelor's degree
17-2041	Chemical Engineers	5	Bachelor's degree
17-2051	Civil Engineers	5	Bachelor's degree
17-2061	Computer Hardware Engineers	5	Bachelor's degree
17-2071	Electrical Engineers	5	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	5	Bachelor's degree
17-2081	Environmental Engineers	5	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	5	Bachelor's degree
17-2112	Industrial Engineers	5	Bachelor's degree
17-2121	Marine Engineers and Naval Architects	5	Bachelor's degree
17-2131	Materials Engineers	5	Bachelor's degree
17-2141	Mechanical Engineers	5	Bachelor's degree
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	5	Bachelor's degree
17-2161	Nuclear Engineers	5	Bachelor's degree
17-2171	Petroleum Engineers	5	Bachelor's degree
17-2199	Engineers, All Other	5	Bachelor's degree
17-3011	Architectural and Civil Drafters	7	Postsecondary vocational training
17-3012	Electrical and Electronics Drafters	7	Postsecondary vocational training
17-3013	Mechanical Drafters	7	Postsecondary vocational training
17-3019	Drafters, All Other	7	Postsecondary vocational training
17-3021	Aerospace Engineering and Operations Technicians	6	Associate degree
17-3022	Civil Engineering Technicians	6	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	6	Associate degree
17-3024	Electro-Mechanical Technicians	6	Associate degree
17-3025	Environmental Engineering Technicians	6	Associate degree
17-3026	Industrial Engineering Technicians	6	Associate degree
17-3027	Mechanical Engineering Technicians	6	Associate degree
17-3029	Engineering Technicians, Except Drafters, All Other	6	Associate degree
17-3031	Surveying and Mapping Technicians	10	Moderate-term on-the-job training
19-1011	Animal Scientists	5	Bachelor's degree
19-1012	Food Scientists and Technologists	5	Bachelor's degree
19-1013	Soil and Plant Scientists	5	Bachelor's degree
19-1021	Biochemists and Biophysicists	2	Doctoral degree
19-1022	Microbiologists	2	Doctoral degree
19-1023	Zoologists and Wildlife Biologists	5	Bachelor's degree
19-1029	Biological Scientists, All Other	5	Bachelor's degree
19-1031	Conservation Scientists	5	Bachelor's degree

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
19-1032	Foresters	5	Bachelor's degree
19-1041	Epidemiologists	3	Master's degree
19-1042	Medical Scientists, Except Epidemiologists	2	Doctoral degree
19-1099	Life Scientists, All Other	5	Bachelor's degree
19-2011	Astronomers	2	Doctoral degree
19-2012	Physicists	2	Doctoral degree
19-2021	Atmospheric and Space Scientists	5	Bachelor's degree
19-2031	Chemists	5	Bachelor's degree
19-2032	Materials Scientists	5	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	3	Master's degree
19-2042	Geoscientists, Except Hydrologists and Geographers	3	Master's degree
19-2043	Hydrologists	3	Master's degree
19-2099	Physical Scientists, All Other	5	Bachelor's degree
19-3011	Economists	3	Master's degree
19-3021	Market Research Analysts	5	Bachelor's degree
19-3022	Survey Researchers	5	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	2	Doctoral degree
19-3032	Industrial-Organizational Psychologists	3	Master's degree
19-3039	Psychologists, All Other	3	Master's degree
19-3041	Sociologists	3	Master's degree
19-3051	Urban and Regional Planners	3	Master's degree
19-3091	Anthropologists and Archeologists	3	Master's degree
19-3092	Geographers	3	Master's degree
19-3093	Historians	3	Master's degree
19-3094	Political Scientists	3	Master's degree
19-3099	Social Scientists and Related Workers, All Other	3	Master's degree
19-4011	Agricultural and Food Science Technicians	6	Associate degree
19-4021	Biological Technicians	6	Associate degree
19-4031	Chemical Technicians	6	Associate degree
19-4041	Geological and Petroleum Technicians	6	Associate degree
19-4051	Nuclear Technicians	6	Associate degree
19-4061	Social Science Research Assistants	6	Associate degree
19-4091	Environmental Science and Protection Technicians, Including Health	6	Associate degree
19-4092	Forensic Science Technicians	6	Associate degree
19-4093	Forest and Conservation Technicians	6	Associate degree
19-4099	Life, Physical, and Social Science Technicians, All Other	6	Associate degree
21-1011	Substance Abuse and Behavioral Disorder Counselors	3	Master's degree
21-1012	Educational, Vocational, and School Counselors	3	Master's degree
21-1013	Marriage and Family Therapists	3	Master's degree
21-1014	Mental Health Counselors	3	Master's degree
21-1015	Rehabilitation Counselors	3	Master's degree
21-1019	Counselors, All Other	3	Master's degree
21-1021	Child, Family, and School Social Workers	5	Bachelor's degree
21-1022	Medical and Public Health Social Workers	5	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	3	Master's degree
21-1029	Social Workers, All Other	5	Bachelor's degree
21-1091	Health Educators	3	Master's degree
21-1092	Probation Officers and Correctional Treatment Specialists	5	Bachelor's degree
21-1093	Social and Human Service Assistants	10	Moderate-term on-the-job training
21-1099	Community and Social Service Specialists, All Other	5	Bachelor's degree
21-2011	Clergy	3	Master's degree
21-2021	Directors, Religious Activities and Education	5	Bachelor's degree
21-2099	Religious Workers, All Other	5	Bachelor's degree

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
23-1011	Lawyers	1	First professional degree
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	4	Bachelor's or higher degree, plus work experience
23-1022	Arbitrators, Mediators, and Conciliators	4	Bachelor's or higher degree, plus work experience
23-1023	Judges, Magistrate Judges, and Magistrates	4	Bachelor's or higher degree, plus work experience
23-2011	Paralegals and Legal Assistants	6	Associate degree
23-2091	Court Reporters	7	Postsecondary vocational training
23-2092	Law Clerks	5	Bachelor's degree
23-2093	Title Examiners, Abstractors, and Searchers	10	Moderate-term on-the-job training
23-2099	Legal Support Workers, All Other	5	Bachelor's degree
25-1011	Business Teachers, Postsecondary	3	Master's degree
25-1021	Computer Science Teachers, Postsecondary	3	Master's degree
25-1022	Mathematical Science Teachers, Postsecondary	3	Master's degree
25-1031	Architecture Teachers, Postsecondary	2	Doctoral degree
25-1032	Engineering Teachers, Postsecondary	2	Doctoral degree
25-1041	Agricultural Sciences Teachers, Postsecondary	2	Doctoral degree
25-1042	Biological Science Teachers, Postsecondary	2	Doctoral degree
25-1043	Forestry and Conservation Science Teachers, Postsecondary	2	Doctoral degree
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	2	Doctoral degree
25-1052	Chemistry Teachers, Postsecondary	2	Doctoral degree
25-1053	Environmental Science Teachers, Postsecondary	2	Doctoral degree
25-1054	Physics Teachers, Postsecondary	2	Doctoral degree
25-1061	Anthropology and Archeology Teachers, Postsecondary	2	Doctoral degree
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	2	Doctoral degree
25-1063	Economics Teachers, Postsecondary	2	Doctoral degree
25-1064	Geography Teachers, Postsecondary	2	Doctoral degree
25-1065	Political Science Teachers, Postsecondary	2	Doctoral degree
25-1066	Psychology Teachers, Postsecondary	2	Doctoral degree
25-1067	Sociology Teachers, Postsecondary	2	Doctoral degree
25-1071	Health Specialties Teachers, Postsecondary	3	Master's degree
25-1072	Nursing Instructors and Teachers, Postsecondary	2	Doctoral degree
25-1081	Education Teachers, Postsecondary	2	Doctoral degree
25-1082	Library Science Teachers, Postsecondary	2	Doctoral degree
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	2	Doctoral degree
25-1112	Law Teachers, Postsecondary	1	First professional degree
25-1113	Social Work Teachers, Postsecondary	2	Doctoral degree
25-1121	Art, Drama, and Music Teachers, Postsecondary	3	Master's degree
25-1122	Communications Teachers, Postsecondary	2	Doctoral degree
25-1123	English Language and Literature Teachers, Postsecondary	3	Master's degree
25-1124	Foreign Language and Literature Teachers, Postsecondary	3	Master's degree
25-1125	History Teachers, Postsecondary	2	Doctoral degree
25-1126	Philosophy and Religion Teachers, Postsecondary	2	Doctoral degree
25-1191	Graduate Teaching Assistants	5	Bachelor's degree
25-1192	Home Economics Teachers, Postsecondary	3	Master's degree
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	3	Master's degree

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
25-1194	Vocational Education Teachers, Postsecondary	4	Bachelor's or higher degree, plus work experience
25-1199	Postsecondary Teachers, All Other	2	Doctoral degree
25-2011	Preschool Teachers, Except Special Education	7	Postsecondary vocational training
25-2012	Kindergarten Teachers, Except Special Education	5	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	5	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	5	Bachelor's degree
25-2023	Vocational Education Teachers, Middle School	4	Bachelor's or higher degree, plus work experience
25-2031	Secondary School Teachers, Except Special and Vocational Education	5	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	4	Bachelor's or higher degree, plus work experience
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	5	Bachelor's degree
25-2042	Special Education Teachers, Middle School	5	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	5	Bachelor's degree
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	5	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	8	Work experience in a related occupation
25-3099	Teachers and Instructors, All Other	5	Bachelor's degree
25-4011	Archivists	3	Master's degree
25-4012	Curators	3	Master's degree
25-4013	Museum Technicians and Conservators	3	Master's degree
25-4021	Librarians	3	Master's degree
25-4031	Library Technicians	7	Postsecondary vocational training
25-9011	Audio-Visual Collections Specialists	10	Moderate-term on-the-job training
25-9021	Farm and Home Management Advisors	5	Bachelor's degree
25-9031	Instructional Coordinators	3	Master's degree
25-9041	Teacher Assistants	11	Short-term on-the-job training
25-9099	Education, Training, and Library Workers, All Other	5	Bachelor's degree
27-1011	Art Directors	4	Bachelor's or higher degree, plus work experience
27-1012	Craft Artists	9	Long-term on-the-job training
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	9	Long-term on-the-job training
27-1014	Multi-Media Artists and Animators	5	Bachelor's degree
27-1019	Artists and Related Workers, All Other	9	Long-term on-the-job training
27-1021	Commercial and Industrial Designers	5	Bachelor's degree
27-1022	Fashion Designers	6	Associate degree
27-1023	Floral Designers	10	Moderate-term on-the-job training
27-1024	Graphic Designers	5	Bachelor's degree
27-1025	Interior Designers	6	Associate degree
27-1026	Merchandise Displayers and Window Trimmers	10	Moderate-term on-the-job training
27-1027	Set and Exhibit Designers	5	Bachelor's degree
27-1029	Designers, All Other	5	Bachelor's degree
27-2011	Actors	9	Long-term on-the-job training
27-2012	Producers and Directors	4	Bachelor's or higher degree, plus work experience
27-2021	Athletes and Sports Competitors	9	Long-term on-the-job training
27-2022	Coaches and Scouts	9	Long-term on-the-job training
27-2023	Umpires, Referees, and Other Sports Officials	9	Long-term on-the-job training
27-2031	Dancers	9	Long-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
27-2032	Choreographers	8	Work experience in a related occupation
27-2041	Music Directors and Composers	4	Bachelor's or higher degree, plus work experience
27-2042	Musicians and Singers	9	Long-term on-the-job training
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	9	Long-term on-the-job training
27-3011	Radio and Television Announcers	9	Long-term on-the-job training
27-3012	Public Address System and Other Announcers	9	Long-term on-the-job training
27-3021	Broadcast News Analysts	4	Bachelor's or higher degree, plus work experience
27-3022	Reporters and Correspondents	4	Bachelor's or higher degree, plus work experience
27-3031	Public Relations Specialists	5	Bachelor's degree
27-3041	Editors	5	Bachelor's degree
27-3042	Technical Writers	5	Bachelor's degree
27-3043	Writers and Authors	5	Bachelor's degree
27-3091	Interpreters and Translators	9	Long-term on-the-job training
27-3099	Media and Communication Workers, All Other	9	Long-term on-the-job training
27-4011	Audio and Video Equipment Technicians	9	Long-term on-the-job training
27-4012	Broadcast Technicians	6	Associate degree
27-4013	Radio Operators	10	Moderate-term on-the-job training
27-4014	Sound Engineering Technicians	7	Postsecondary vocational training
27-4021	Photographers	9	Long-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	10	Moderate-term on-the-job training
27-4032	Film and Video Editors	5	Bachelor's degree
27-4099	Media and Communication Equipment Workers, All Other	10	Moderate-term on-the-job training
29-1011	Chiropractors	1	First professional degree
29-1021	Dentists, General	1	First professional degree
29-1022	Oral and Maxillofacial Surgeons	1	First professional degree
29-1023	Orthodontists	1	First professional degree
29-1029	Dentists, All Other Specialists	1	First professional degree
29-1031	Dietitians and Nutritionists	5	Bachelor's degree
29-1041	Optometrists	1	First professional degree
29-1051	Pharmacists	1	First professional degree
29-1061	Anesthesiologists	1	First professional degree
29-1062	Family and General Practitioners	1	First professional degree
29-1063	Internists, General	1	First professional degree
29-1064	Obstetricians and Gynecologists	1	First professional degree
29-1065	Pediatricians, General	1	First professional degree
29-1066	Psychiatrists	1	First professional degree
29-1067	Surgeons	1	First professional degree
29-1069	Physicians and Surgeons, All Other	1	First professional degree
29-1071	Physician Assistants	5	Bachelor's degree
29-1081	Podiatrists	1	First professional degree
29-1111	Registered Nurses	6	Associate degree
29-1121	Audiologists	1	First professional degree
29-1122	Occupational Therapists	3	Master's degree
29-1123	Physical Therapists	3	Master's degree
29-1124	Radiation Therapists	6	Associate degree
29-1125	Recreational Therapists	5	Bachelor's degree
29-1126	Respiratory Therapists	6	Associate degree
29-1127	Speech-Language Pathologists	3	Master's degree
29-1129	Therapists, All Other	5	Bachelor's degree

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
29-1131	Veterinarians	1	First professional degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	5	Bachelor's degree
29-2011	Medical and Clinical Laboratory Technologists	5	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	6	Associate degree
29-2021	Dental Hygienists	6	Associate degree
29-2031	Cardiovascular Technologists and Technicians	6	Associate degree
29-2032	Diagnostic Medical Sonographers	6	Associate degree
29-2033	Nuclear Medicine Technologists	6	Associate degree
29-2034	Radiologic Technologists and Technicians	6	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	7	Postsecondary vocational training
29-2051	Dietetic Technicians	10	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	10	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	10	Moderate-term on-the-job training
29-2054	Respiratory Therapy Technicians	6	Associate degree
29-2055	Surgical Technologists	7	Postsecondary vocational training
29-2056	Veterinary Technologists and Technicians	6	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses	7	Postsecondary vocational training
29-2071	Medical Records and Health Information Technicians	6	Associate degree
29-2081	Opticians, Dispensing	9	Long-term on-the-job training
29-2091	Orthotists and Prosthetists	5	Bachelor's degree
29-2099	Health Technologists and Technicians, All Other	7	Postsecondary vocational training
29-9011	Occupational Health and Safety Specialists	5	Bachelor's degree
29-9012	Occupational Health and Safety Technicians	7	Postsecondary vocational training
29-9091	Athletic Trainers	5	Bachelor's degree
29-9099	Healthcare Practitioners and Technical Workers, All Other	7	Postsecondary vocational training
31-1011	Home Health Aides	11	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	7	Postsecondary vocational training
31-1013	Psychiatric Aides	11	Short-term on-the-job training
31-2011	Occupational Therapist Assistants	6	Associate degree
31-2012	Occupational Therapist Aides	11	Short-term on-the-job training
31-2021	Physical Therapist Assistants	6	Associate degree
31-2022	Physical Therapist Aides	11	Short-term on-the-job training
31-9011	Massage Therapists	7	Postsecondary vocational training
31-9091	Dental Assistants	10	Moderate-term on-the-job training
31-9092	Medical Assistants	10	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	11	Short-term on-the-job training
31-9094	Medical Transcriptionists	7	Postsecondary vocational training
31-9095	Pharmacy Aides	11	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	11	Short-term on-the-job training
31-9099	Healthcare Support Workers, All Other	11	Short-term on-the-job training
33-1011	First-Line Supervisors/Managers of Correctional Officers	8	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	8	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	8	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	8	Work experience in a related occupation
33-2011	Fire Fighters	9	Long-term on-the-job training
33-2021	Fire Inspectors and Investigators	8	Work experience in a related occupation
33-2022	Forest Fire Inspectors and Prevention Specialists	8	Work experience in a related occupation
33-3011	Bailiffs	10	Moderate-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
33-3012	Correctional Officers and Jailers	10	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	8	Work experience in a related occupation
33-3031	Fish and Game Wardens	6	Associate degree
33-3041	Parking Enforcement Workers	11	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	9	Long-term on-the-job training
33-3052	Transit and Railroad Police	9	Long-term on-the-job training
33-9011	Animal Control Workers	10	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	8	Work experience in a related occupation
33-9031	Gaming Surveillance Officers and Gaming Investigators	10	Moderate-term on-the-job training
33-9032	Security Guards	11	Short-term on-the-job training
33-9091	Crossing Guards	11	Short-term on-the-job training
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	11	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	11	Short-term on-the-job training
35-1011	Chefs and Head Cooks	8	Work experience in a related occupation
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	8	Work experience in a related occupation
35-2011	Cooks, Fast Food	11	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	10	Moderate-term on-the-job training
35-2013	Cooks, Private Household	9	Long-term on-the-job training
35-2014	Cooks, Restaurant	9	Long-term on-the-job training
35-2015	Cooks, Short Order	11	Short-term on-the-job training
35-2019	Cooks, All Other	10	Moderate-term on-the-job training
35-2021	Food Preparation Workers	11	Short-term on-the-job training
35-3011	Bartenders	11	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	11	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	11	Short-term on-the-job training
35-3031	Waiters and Waitresses	11	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	11	Short-term on-the-job training
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	11	Short-term on-the-job training
35-9021	Dishwashers	11	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	11	Short-term on-the-job training
35-9099	Food Preparation and Serving Related Workers, All Other	11	Short-term on-the-job training
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	8	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	8	Work experience in a related occupation
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	11	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	11	Short-term on-the-job training
37-2019	Building Cleaning Workers, All Other	11	Short-term on-the-job training
37-2021	Pest Control Workers	10	Moderate-term on-the-job training
37-3011	Landscaping and Groundskeeping Workers	11	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	10	Moderate-term on-the-job training
37-3013	Tree Trimmers and Pruners	11	Short-term on-the-job training
37-3019	Grounds Maintenance Workers, All Other	11	Short-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
39-1011	Gaming Supervisors	8	Work experience in a related occupation
39-1012	Slot Key Persons	7	Postsecondary vocational training
39-1021	First-Line Supervisors/Managers of Personal Service Workers	8	Work experience in a related occupation
39-2011	Animal Trainers	10	Moderate-term on-the-job training
39-2021	Nonfarm Animal Caretakers	11	Short-term on-the-job training
39-3011	Gaming Dealers	7	Postsecondary vocational training
39-3012	Gaming and Sports Book Writers and Runners	11	Short-term on-the-job training
39-3019	Gaming Service Workers, All Other	10	Moderate-term on-the-job training
39-3021	Motion Picture Projectionists	11	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	11	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	11	Short-term on-the-job training
39-3092	Costume Attendants	11	Short-term on-the-job training
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	11	Short-term on-the-job training
39-3099	Entertainment Attendants and Related Workers, All Other	10	Moderate-term on-the-job training
39-4011	Embalmers	7	Postsecondary vocational training
39-4021	Funeral Attendants	11	Short-term on-the-job training
39-5011	Barbers	7	Postsecondary vocational training
39-5012	Hairdressers, Hairstylists, and Cosmetologists	7	Postsecondary vocational training
39-5091	Makeup Artists, Theatrical and Performance	7	Postsecondary vocational training
39-5092	Manicurists and Pedicurists	7	Postsecondary vocational training
39-5093	Shampooers	11	Short-term on-the-job training
39-5094	Skin Care Specialists	7	Postsecondary vocational training
39-6011	Baggage Porters and Bellhops	11	Short-term on-the-job training
39-6012	Concierges	10	Moderate-term on-the-job training
39-6021	Tour Guides and Escorts	10	Moderate-term on-the-job training
39-6022	Travel Guides	10	Moderate-term on-the-job training
39-6031	Flight Attendants	9	Long-term on-the-job training
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	11	Short-term on-the-job training
39-9011	Child Care Workers	11	Short-term on-the-job training
39-9021	Personal and Home Care Aides	11	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	7	Postsecondary vocational training
39-9032	Recreation Workers	11	Short-term on-the-job training
39-9041	Residential Advisors	10	Moderate-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	11	Short-term on-the-job training
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	8	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	8	Work experience in a related occupation
41-2011	Cashiers	11	Short-term on-the-job training
41-2012	Gaming Change Persons and Booth Cashiers	11	Short-term on-the-job training
41-2021	Counter and Rental Clerks	11	Short-term on-the-job training
41-2022	Parts Salespersons	10	Moderate-term on-the-job training
41-2031	Retail Salespersons	11	Short-term on-the-job training
41-3011	Advertising Sales Agents	10	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	5	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	5	Bachelor's degree
41-3041	Travel Agents	7	Postsecondary vocational training
41-3099	Sales Representatives, Services, All Other	10	Moderate-term on-the-job training
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	10	Moderate-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	10	Moderate-term on-the-job training
41-9011	Demonstrators and Product Promoters	10	Moderate-term on-the-job training
41-9012	Models	10	Moderate-term on-the-job training
41-9021	Real Estate Brokers	8	Work experience in a related occupation
41-9022	Real Estate Sales Agents	7	Postsecondary vocational training
41-9031	Sales Engineers	5	Bachelor's degree
41-9041	Telemarketers	11	Short-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	11	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	10	Moderate-term on-the-job training
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	8	Work experience in a related occupation
43-2011	Switchboard Operators, Including Answering Service	11	Short-term on-the-job training
43-2021	Telephone Operators	11	Short-term on-the-job training
43-2099	Communications Equipment Operators, All Other	11	Short-term on-the-job training
43-3011	Bill and Account Collectors	11	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	10	Moderate-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	10	Moderate-term on-the-job training
43-3041	Gaming Cage Workers	11	Short-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	10	Moderate-term on-the-job training
43-3061	Procurement Clerks	11	Short-term on-the-job training
43-3071	Tellers	11	Short-term on-the-job training
43-4011	Brokerage Clerks	10	Moderate-term on-the-job training
43-4021	Correspondence Clerks	11	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	11	Short-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	11	Short-term on-the-job training
43-4051	Customer Service Representatives	10	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	10	Moderate-term on-the-job training
43-4071	File Clerks	11	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	11	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	11	Short-term on-the-job training
43-4121	Library Assistants, Clerical	11	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	11	Short-term on-the-job training
43-4141	New Accounts Clerks	8	Work experience in a related occupation
43-4151	Order Clerks	11	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	11	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	11	Short-term on-the-job training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	11	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	11	Short-term on-the-job training
43-5011	Cargo and Freight Agents	10	Moderate-term on-the-job training
43-5021	Couriers and Messengers	11	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	10	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	10	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	11	Short-term on-the-job training
43-5051	Postal Service Clerks	11	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	11	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	11	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	11	Short-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	11	Short-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
43-5081	Stock Clerks and Order Fillers	11	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	11	Short-term on-the-job training
43-6011	Executive Secretaries and Administrative Assistants	10	Moderate-term on-the-job training
43-6012	Legal Secretaries	7	Postsecondary vocational training
43-6013	Medical Secretaries	7	Postsecondary vocational training
43-6014	Secretaries, Except Legal, Medical, and Executive	10	Moderate-term on-the-job training
43-9011	Computer Operators	10	Moderate-term on-the-job training
43-9021	Data Entry Keyers	10	Moderate-term on-the-job training
43-9022	Word Processors and Typists	10	Moderate-term on-the-job training
43-9031	Desktop Publishers	7	Postsecondary vocational training
43-9041	Insurance Claims and Policy Processing Clerks	10	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	11	Short-term on-the-job training
43-9061	Office Clerks, General	11	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	11	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	11	Short-term on-the-job training
43-9111	Statistical Assistants	10	Moderate-term on-the-job training
43-9199	Office and Administrative Support Workers, All Other	11	Short-term on-the-job training
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	8	Work experience in a related occupation
45-1012	Farm Labor Contractors	8	Work experience in a related occupation
45-2011	Agricultural Inspectors	8	Work experience in a related occupation
45-2021	Animal Breeders	11	Short-term on-the-job training
45-2041	Graders and Sorters, Agricultural Products	8	Work experience in a related occupation
45-2091	Agricultural Equipment Operators	10	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	11	Short-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	11	Short-term on-the-job training
45-2099	Agricultural Workers, All Other	11	Short-term on-the-job training
45-3011	Fishers and Related Fishing Workers	10	Moderate-term on-the-job training
45-3021	Hunters and Trappers	10	Moderate-term on-the-job training
45-4011	Forest and Conservation Workers	10	Moderate-term on-the-job training
45-4021	Fallers	10	Moderate-term on-the-job training
45-4022	Logging Equipment Operators	10	Moderate-term on-the-job training
45-4023	Log Graders and Scalers	10	Moderate-term on-the-job training
45-4029	Logging Workers, All Other	10	Moderate-term on-the-job training
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	8	Work experience in a related occupation
47-2011	Boilermakers	9	Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	9	Long-term on-the-job training
47-2022	Stonemasons	9	Long-term on-the-job training
47-2031	Carpenters	9	Long-term on-the-job training
47-2041	Carpet Installers	10	Moderate-term on-the-job training
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	10	Moderate-term on-the-job training
47-2043	Floor Sanders and Finishers	10	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	9	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	10	Moderate-term on-the-job training
47-2053	Terrazzo Workers and Finishers	9	Long-term on-the-job training
47-2061	Construction Laborers	10	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	10	Moderate-term on-the-job training
47-2072	Pile-Driver Operators	10	Moderate-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
47-2073	Operating Engineers and Other Construction Equipment Operators	10	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	10	Moderate-term on-the-job training
47-2082	Tapers	10	Moderate-term on-the-job training
47-2111	Electricians	9	Long-term on-the-job training
47-2121	Glaziers	9	Long-term on-the-job training
47-2131	Insulation Workers, Floor, Ceiling, and Wall	10	Moderate-term on-the-job training
47-2132	Insulation Workers, Mechanical	10	Moderate-term on-the-job training
47-2141	Painters, Construction and Maintenance	10	Moderate-term on-the-job training
47-2142	Paperhangers	10	Moderate-term on-the-job training
47-2151	Pipelayers	10	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	9	Long-term on-the-job training
47-2161	Plasterers and Stucco Masons	9	Long-term on-the-job training
47-2171	Reinforcing Iron and Rebar Workers	9	Long-term on-the-job training
47-2181	Roofers	10	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	9	Long-term on-the-job training
47-2221	Structural Iron and Steel Workers	9	Long-term on-the-job training
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	11	Short-term on-the-job training
47-3012	Helpers--Carpenters	11	Short-term on-the-job training
47-3013	Helpers--Electricians	11	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	11	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	11	Short-term on-the-job training
47-3016	Helpers--Roofers	11	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	11	Short-term on-the-job training
47-4011	Construction and Building Inspectors	8	Work experience in a related occupation
47-4021	Elevator Installers and Repairers	9	Long-term on-the-job training
47-4031	Fence Erectors	10	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	10	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	10	Moderate-term on-the-job training
47-4061	Rail-Track Laying and Maintenance Equipment Operators	10	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	10	Moderate-term on-the-job training
47-4091	Segmental Pavers	10	Moderate-term on-the-job training
47-4099	Construction and Related Workers, All Other	10	Moderate-term on-the-job training
47-5011	Derrick Operators, Oil and Gas	10	Moderate-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	10	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil, Gas, and Mining	10	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	10	Moderate-term on-the-job training
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	10	Moderate-term on-the-job training
47-5041	Continuous Mining Machine Operators	10	Moderate-term on-the-job training
47-5042	Mine Cutting and Channeling Machine Operators	10	Moderate-term on-the-job training
47-5049	Mining Machine Operators, All Other	10	Moderate-term on-the-job training
47-5051	Rock Splitters, Quarry	10	Moderate-term on-the-job training
47-5061	Roof Bolters, Mining	10	Moderate-term on-the-job training
47-5071	Roustabouts, Oil and Gas	10	Moderate-term on-the-job training
47-5081	Helpers--Extraction Workers	11	Short-term on-the-job training
47-5099	Extraction Workers, All Other	10	Moderate-term on-the-job training
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	8	Work experience in a related occupation
49-2011	Computer, Automated Teller, and Office Machine Repairers	7	Postsecondary vocational training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
49-2021	Radio Mechanics	7	Postsecondary vocational training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	9	Long-term on-the-job training
49-2091	Avionics Technicians	7	Postsecondary vocational training
49-2092	Electric Motor, Power Tool, and Related Repairers	7	Postsecondary vocational training
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	7	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	7	Postsecondary vocational training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	7	Postsecondary vocational training
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	7	Postsecondary vocational training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	7	Postsecondary vocational training
49-2098	Security and Fire Alarm Systems Installers	7	Postsecondary vocational training
49-3011	Aircraft Mechanics and Service Technicians	7	Postsecondary vocational training
49-3021	Automotive Body and Related Repairers	9	Long-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	9	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	7	Postsecondary vocational training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	7	Postsecondary vocational training
49-3041	Farm Equipment Mechanics	7	Postsecondary vocational training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	7	Postsecondary vocational training
49-3043	Rail Car Repairers	9	Long-term on-the-job training
49-3051	Motorboat Mechanics	9	Long-term on-the-job training
49-3052	Motorcycle Mechanics	9	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	10	Moderate-term on-the-job training
49-3091	Bicycle Repairers	10	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	9	Long-term on-the-job training
49-3093	Tire Repairers and Changers	11	Short-term on-the-job training
49-9011	Mechanical Door Repairers	10	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	10	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	9	Long-term on-the-job training
49-9031	Home Appliance Repairers	9	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	9	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	10	Moderate-term on-the-job training
49-9043	Maintenance Workers, Machinery	11	Short-term on-the-job training
49-9044	Millwrights	9	Long-term on-the-job training
49-9045	Refractory Materials Repairers, Except Brickmasons	10	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	9	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	9	Long-term on-the-job training
49-9061	Camera and Photographic Equipment Repairers	10	Moderate-term on-the-job training
49-9062	Medical Equipment Repairers	6	Associate degree
49-9063	Musical Instrument Repairers and Tuners	9	Long-term on-the-job training
49-9064	Watch Repairers	9	Long-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	10	Moderate-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	10	Moderate-term on-the-job training
49-9093	Fabric Menders, Except Garment	10	Moderate-term on-the-job training
49-9094	Locksmiths and Safe Repairers	10	Moderate-term on-the-job training
49-9095	Manufactured Building and Mobile Home Installers	10	Moderate-term on-the-job training
49-9096	Riggers	11	Short-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
49-9097	Signal and Track Switch Repairers	10	Moderate-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	11	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	10	Moderate-term on-the-job training
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	8	Work experience in a related occupation
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	9	Long-term on-the-job training
51-2021	Coil Winders, Tapers, and Finishers	11	Short-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	11	Short-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	11	Short-term on-the-job training
51-2031	Engine and Other Machine Assemblers	11	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	10	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	10	Moderate-term on-the-job training
51-2092	Team Assemblers	10	Moderate-term on-the-job training
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	10	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	10	Moderate-term on-the-job training
51-3011	Bakers	9	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	9	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	11	Short-term on-the-job training
51-3023	Slaughterers and Meat Packers	10	Moderate-term on-the-job training
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	11	Short-term on-the-job training
51-3092	Food Batchmakers	11	Short-term on-the-job training
51-3093	Food Cooking Machine Operators and Tenders	11	Short-term on-the-job training
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	10	Moderate-term on-the-job training
51-4012	Numerical Tool and Process Control Programmers	9	Long-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4041	Machinists	9	Long-term on-the-job training
51-4051	Metal-Refining Furnace Operators and Tenders	10	Moderate-term on-the-job training
51-4052	Pourers and Casters, Metal	10	Moderate-term on-the-job training
51-4061	Model Makers, Metal and Plastic	10	Moderate-term on-the-job training
51-4062	Patternmakers, Metal and Plastic	10	Moderate-term on-the-job training
51-4071	Foundry Mold and Coremakers	10	Moderate-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4111	Tool and Die Makers	9	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	9	Long-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4192	Lay-Out Workers, Metal and Plastic	10	Moderate-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	10	Moderate-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	10	Moderate-term on-the-job training
51-4199	Metal Workers and Plastic Workers, All Other	10	Moderate-term on-the-job training
51-5011	Bindery Workers	11	Short-term on-the-job training
51-5012	Bookbinders	10	Moderate-term on-the-job training
51-5021	Job Printers	9	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	7	Postsecondary vocational training
51-5023	Printing Machine Operators	10	Moderate-term on-the-job training
51-6011	Laundry and Dry-Cleaning Workers	10	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	11	Short-term on-the-job training
51-6031	Sewing Machine Operators	10	Moderate-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	9	Long-term on-the-job training
51-6051	Sewers, Hand	11	Short-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	9	Long-term on-the-job training
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	10	Moderate-term on-the-job training
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	9	Long-term on-the-job training
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	10	Moderate-term on-the-job training
51-6092	Fabric and Apparel Patternmakers	9	Long-term on-the-job training
51-6093	Upholsterers	9	Long-term on-the-job training
51-6099	Textile, Apparel, and Furnishings Workers, All Other	11	Short-term on-the-job training
51-7011	Cabinetmakers and Bench Carpenters	9	Long-term on-the-job training
51-7021	Furniture Finishers	9	Long-term on-the-job training
51-7031	Model Makers, Wood	9	Long-term on-the-job training
51-7032	Patternmakers, Wood	9	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	10	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	10	Moderate-term on-the-job training
51-7099	Woodworkers, All Other	10	Moderate-term on-the-job training
51-8011	Nuclear Power Reactor Operators	9	Long-term on-the-job training
51-8012	Power Distributors and Dispatchers	9	Long-term on-the-job training
51-8013	Power Plant Operators	9	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	9	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	9	Long-term on-the-job training
51-8091	Chemical Plant and System Operators	9	Long-term on-the-job training
51-8092	Gas Plant Operators	9	Long-term on-the-job training
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	9	Long-term on-the-job training
51-8099	Plant and System Operators, All Other	9	Long-term on-the-job training
51-9011	Chemical Equipment Operators and Tenders	10	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	10	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	11	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	10	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	10	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	7	Postsecondary vocational training
51-9081	Dental Laboratory Technicians	9	Long-term on-the-job training
51-9082	Medical Appliance Technicians	9	Long-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	10	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	11	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	9	Long-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	11	Short-term on-the-job training
51-9131	Photographic Process Workers	10	Moderate-term on-the-job training
51-9132	Photographic Processing Machine Operators	11	Short-term on-the-job training
51-9141	Semiconductor Processors	6	Associate degree
51-9191	Cementing and Gluing Machine Operators and Tenders	10	Moderate-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	10	Moderate-term on-the-job training
51-9193	Cooling and Freezing Equipment Operators and Tenders	10	Moderate-term on-the-job training
51-9194	Etchers and Engravers	9	Long-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	10	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	10	Moderate-term on-the-job training
51-9197	Tire Builders	10	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	11	Short-term on-the-job training
51-9199	Production Workers, All Other	10	Moderate-term on-the-job training
53-1011	Aircraft Cargo Handling Supervisors	8	Work experience in a related occupation
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	8	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	8	Work experience in a related occupation
53-2011	Airline Pilots, Copilots, and Flight Engineers	5	Bachelor's degree
53-2012	Commercial Pilots	7	Postsecondary vocational training
53-2021	Air Traffic Controllers	9	Long-term on-the-job training
53-2022	Airfield Operations Specialists	9	Long-term on-the-job training
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	10	Moderate-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	10	Moderate-term on-the-job training
53-3022	Bus Drivers, School	11	Short-term on-the-job training
53-3031	Driver/Sales Workers	11	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	10	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	11	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	11	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	11	Short-term on-the-job training

Standard Occupation Classification (SOC)*		Training Requirements	
Code	Occupation Title	Code	Training Description
53-4011	Locomotive Engineers	10	Moderate-term on-the-job training
53-4012	Locomotive Firers	10	Moderate-term on-the-job training
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	10	Moderate-term on-the-job training
53-4021	Railroad Brake, Signal, and Switch Operators	10	Moderate-term on-the-job training
53-4031	Railroad Conductors and Yardmasters	10	Moderate-term on-the-job training
53-4099	Rail Transportation Workers, All Other	10	Moderate-term on-the-job training
53-5011	Sailors and Marine Oilers	11	Short-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	8	Work experience in a related occupation
53-5022	Motorboat Operators	10	Moderate-term on-the-job training
53-5031	Ship Engineers	7	Postsecondary vocational training
53-6011	Bridge and Lock Tenders	11	Short-term on-the-job training
53-6021	Parking Lot Attendants	11	Short-term on-the-job training
53-6031	Service Station Attendants	11	Short-term on-the-job training
53-6041	Traffic Technicians	11	Short-term on-the-job training
53-6051	Transportation Inspectors	8	Work experience in a related occupation
53-6099	Transportation Workers, All Other	11	Short-term on-the-job training
53-7011	Conveyor Operators and Tenders	11	Short-term on-the-job training
53-7021	Crane and Tower Operators	9	Long-term on-the-job training
53-7031	Dredge Operators	10	Moderate-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	10	Moderate-term on-the-job training
53-7033	Loading Machine Operators, Underground Mining	10	Moderate-term on-the-job training
53-7041	Hoist and Winch Operators	10	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	11	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	11	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	11	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	11	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	11	Short-term on-the-job training
53-7071	Gas Compressor and Gas Pumping Station Operators	10	Moderate-term on-the-job training
53-7072	Pump Operators, Except Wellhead Pumpers	10	Moderate-term on-the-job training
53-7073	Wellhead Pumpers	10	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	11	Short-term on-the-job training
53-7111	Shuttle Car Operators	11	Short-term on-the-job training
53-7121	Tank Car, Truck, and Ship Loaders	10	Moderate-term on-the-job training
53-7199	Material Moving Workers, All Other	10	Moderate-term on-the-job training

*For more information on the Standard Occupational Classification (SOC) system, see: www.bls.gov/soc/socguide.htm

These descriptions are provided as general guidelines and are **not** absolute requirements for employment.

Prepared by Arizona Dept of Commerce, Research Administration in cooperation with the U.S. Dept of Labor, Bureau of Labor Statistics.